

**SONY.**

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カラービデオカメラ  
COLOR VIDEO CAMERA

**DXC-637/637P**

ズームレンズ  
ZOOM LENS

**VCL-916BYA**

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**SERVICE MANUAL**

Vol. 2 (1st Edition)

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**Hyper HAD™**

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- エレクトロニックビューファインダーDXF-601のサービス情報については、別途発行のDXF-601のサービスマニュアル(9-977-229-01)をご覧ください。
- カメラマイクホルダーCAC-12の補修部品については、別途発行のCAC-12の部品価格表(9-967-251-71)をご覧ください。
- 三脚アタッチメントVCT-U14の補修部分については、別途発行のVCT-U14のサービスマニュアル(9-977-221-01)をご覧ください。

- On service information for the DXF-601/601CE electronic viewfinder, please see the DXF-601/601CE service manual (9-977-229-01) available separately.
- On service information for the CAC-12 microphone holder, please see the CAC-12 service manual (9-967-252-01) available separately.
- On service information for the VCT-U14 tripod attachment, please see the VCT-U14 service manual (9-977-221-01) available separately.

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### C. SEMICONDUCTOR

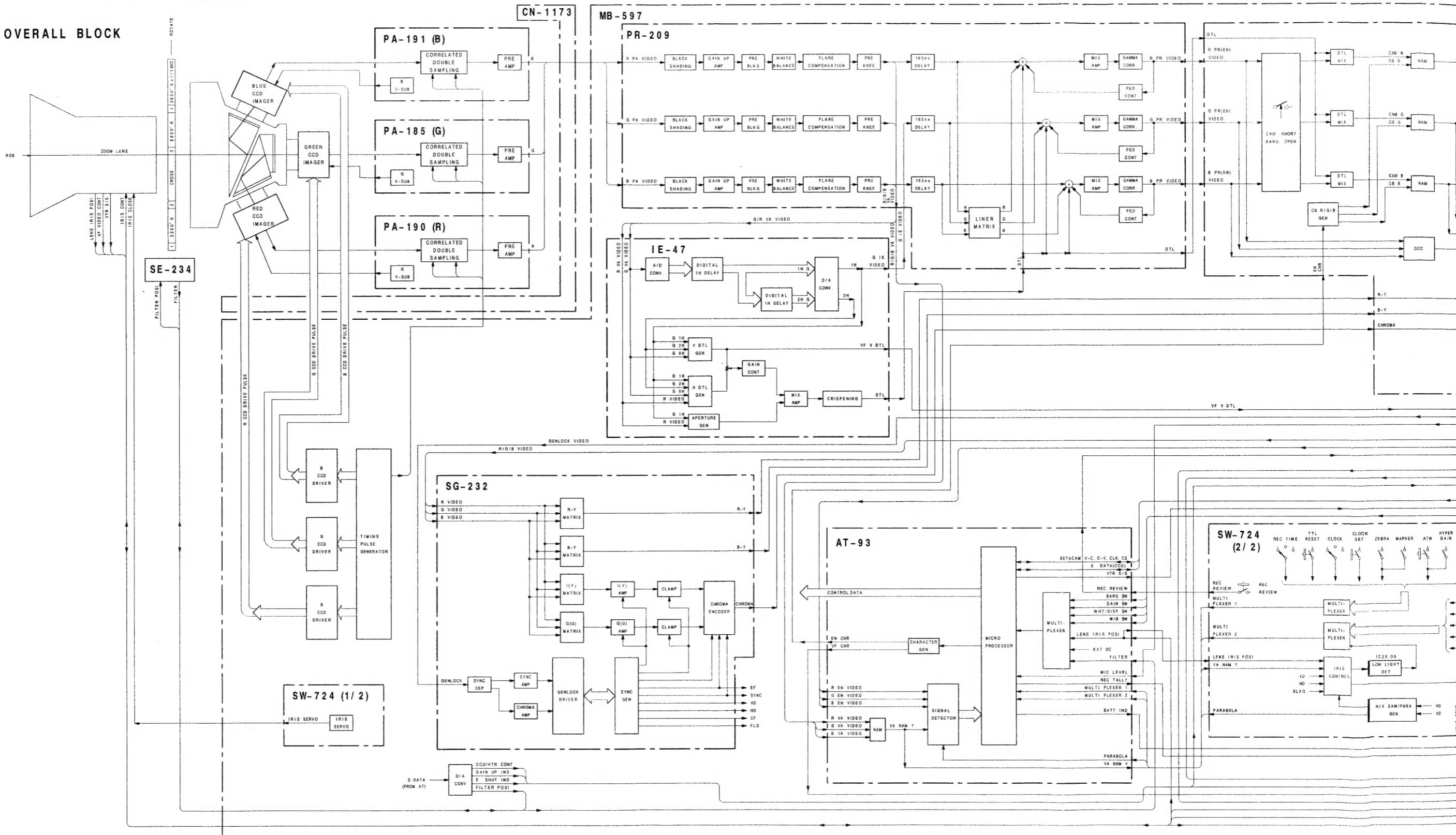
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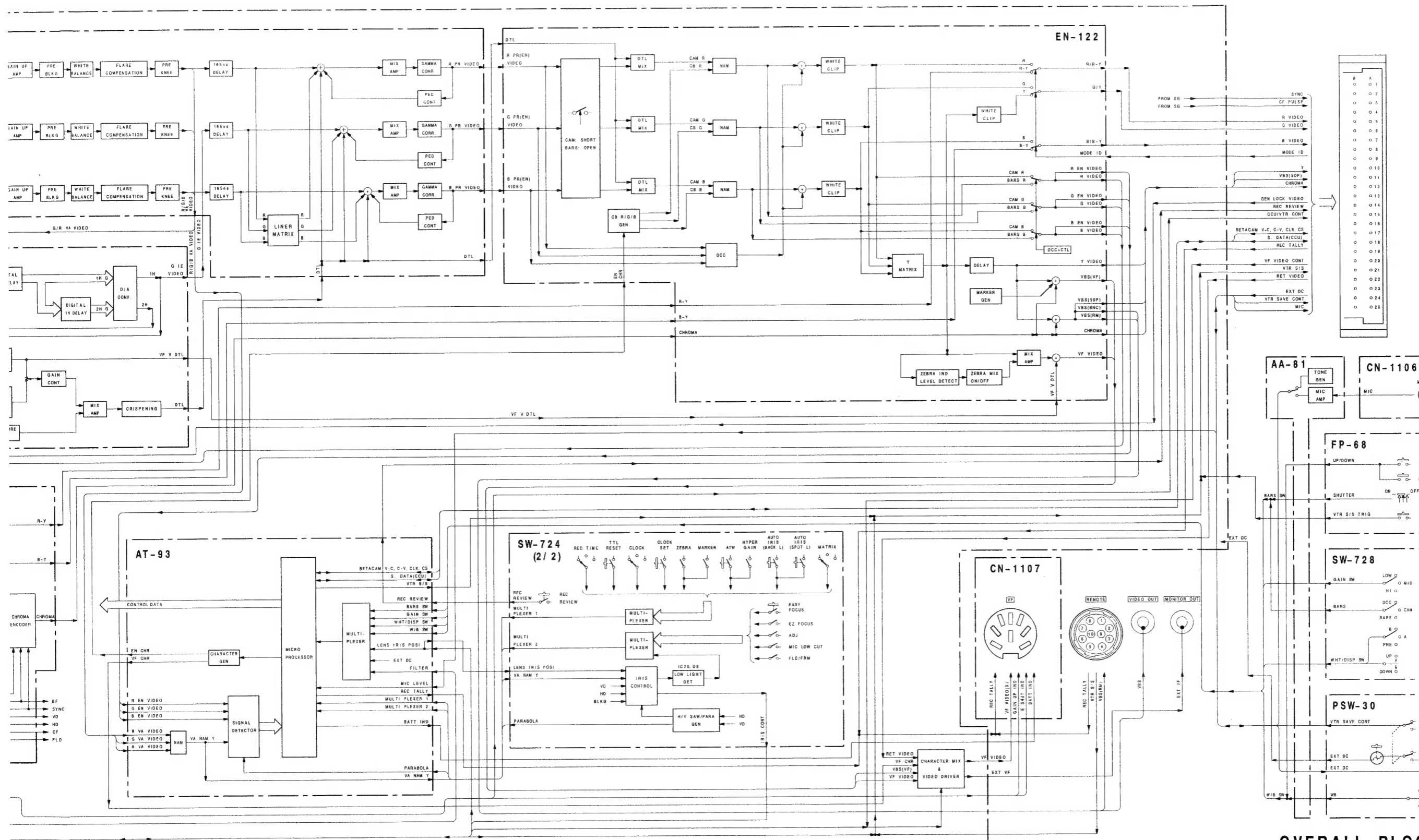
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SECTION A  
BLOCK DIAGRAMS

## OVERALL BLOCK

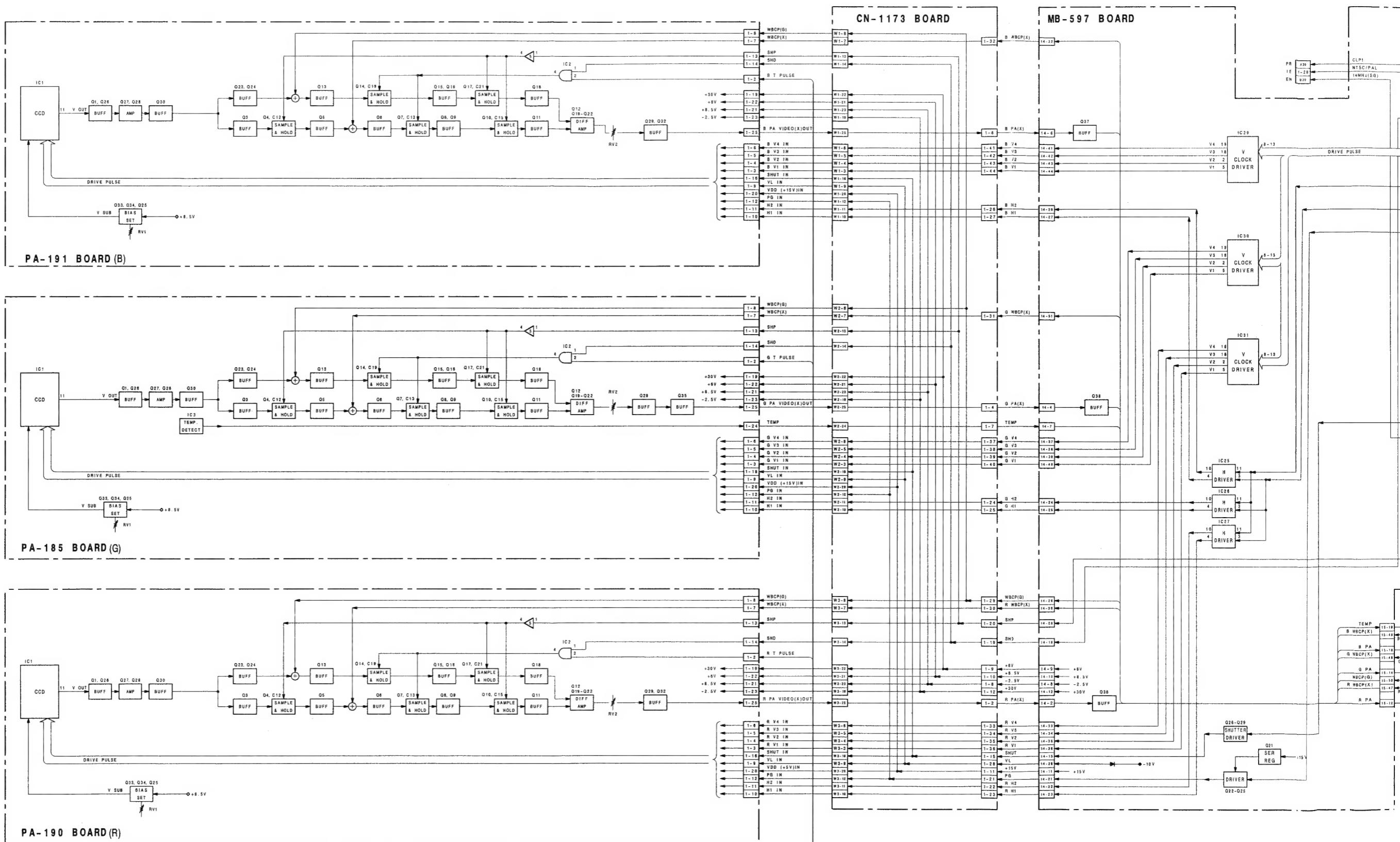


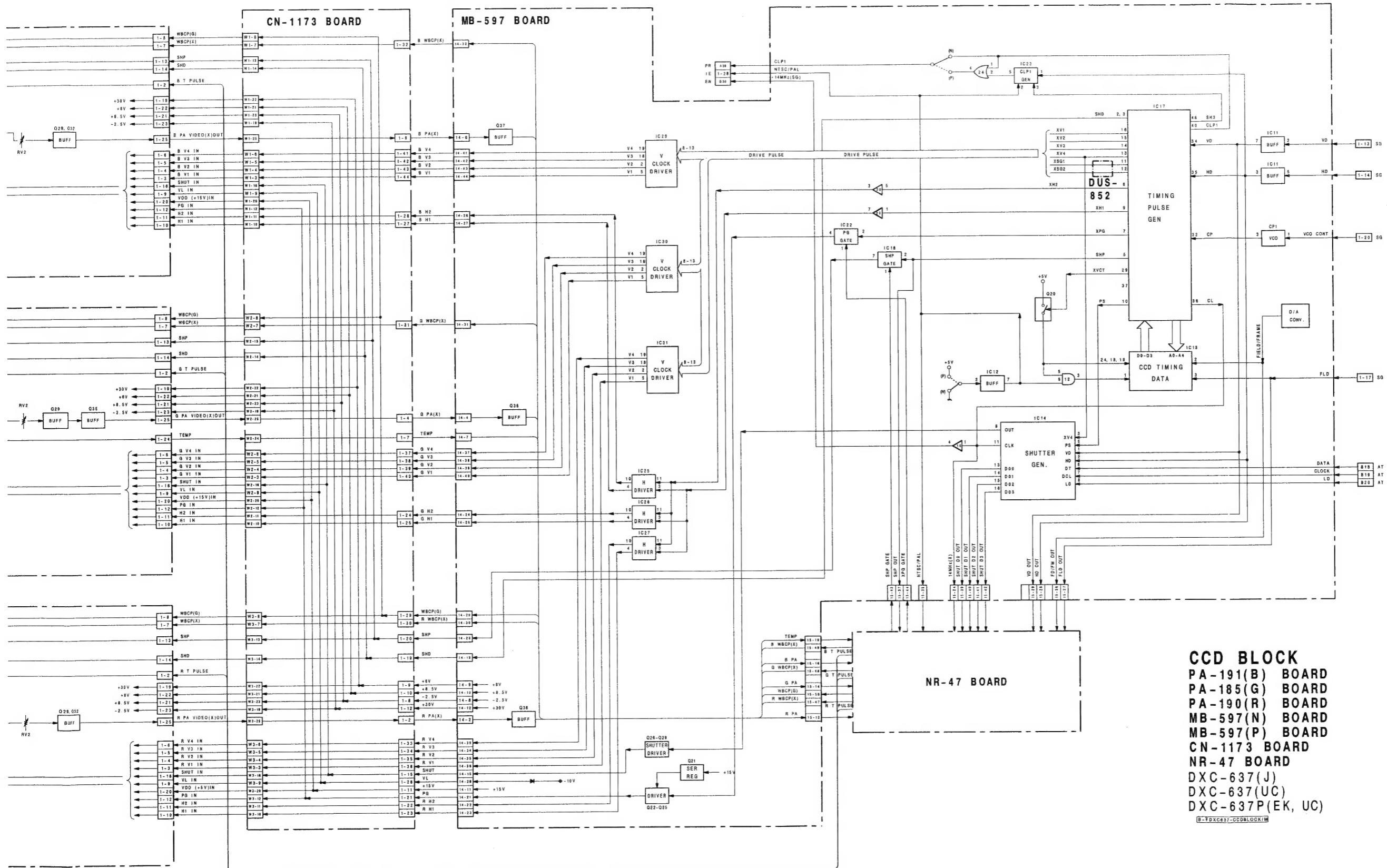


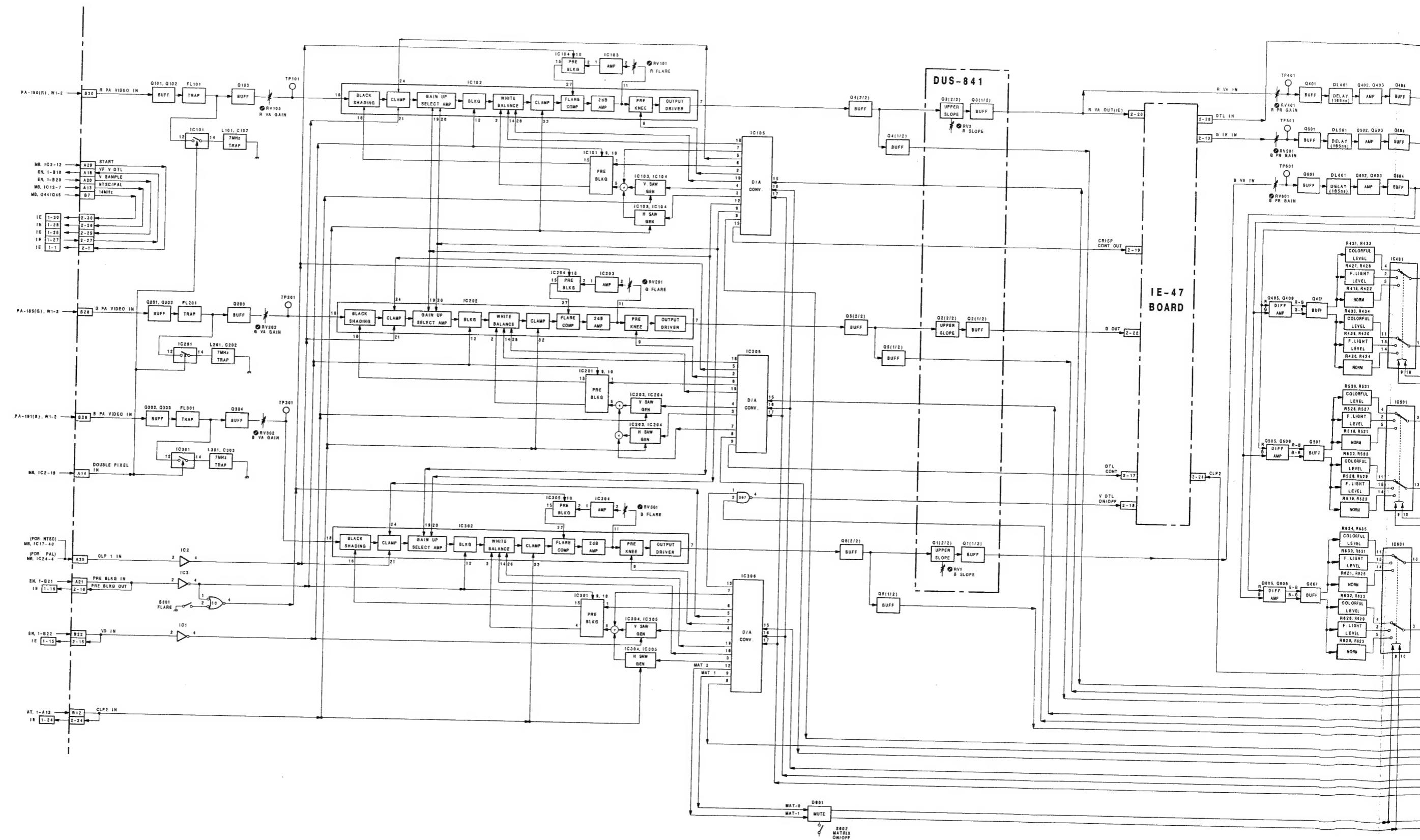
### OVERALL BLOCK

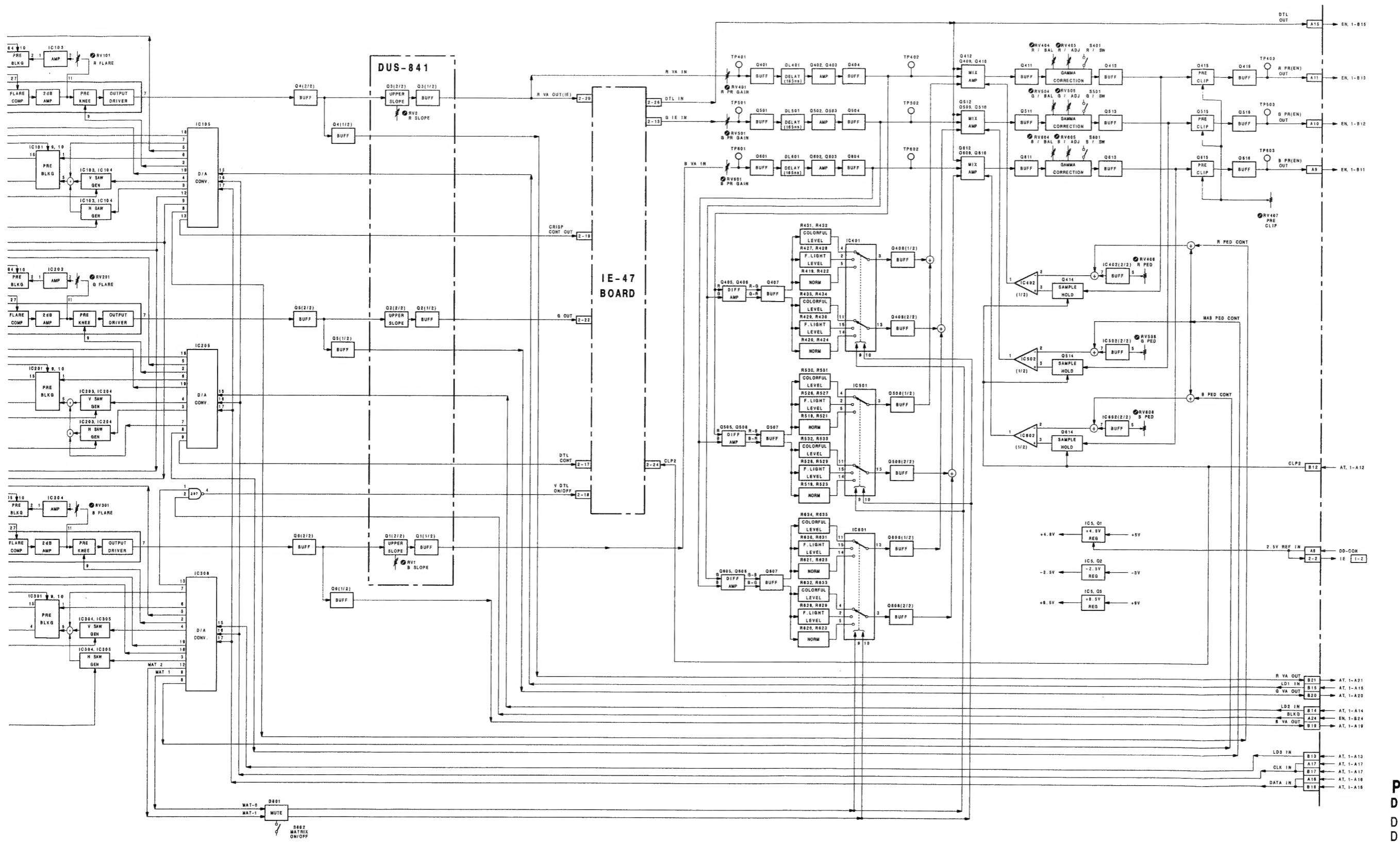
DXC-637(J)  
 DXC-637(UC)  
 DXC-637P(EK, UC)  
 B-1DXC637-OABLOCKIN

## CCD BLOCK

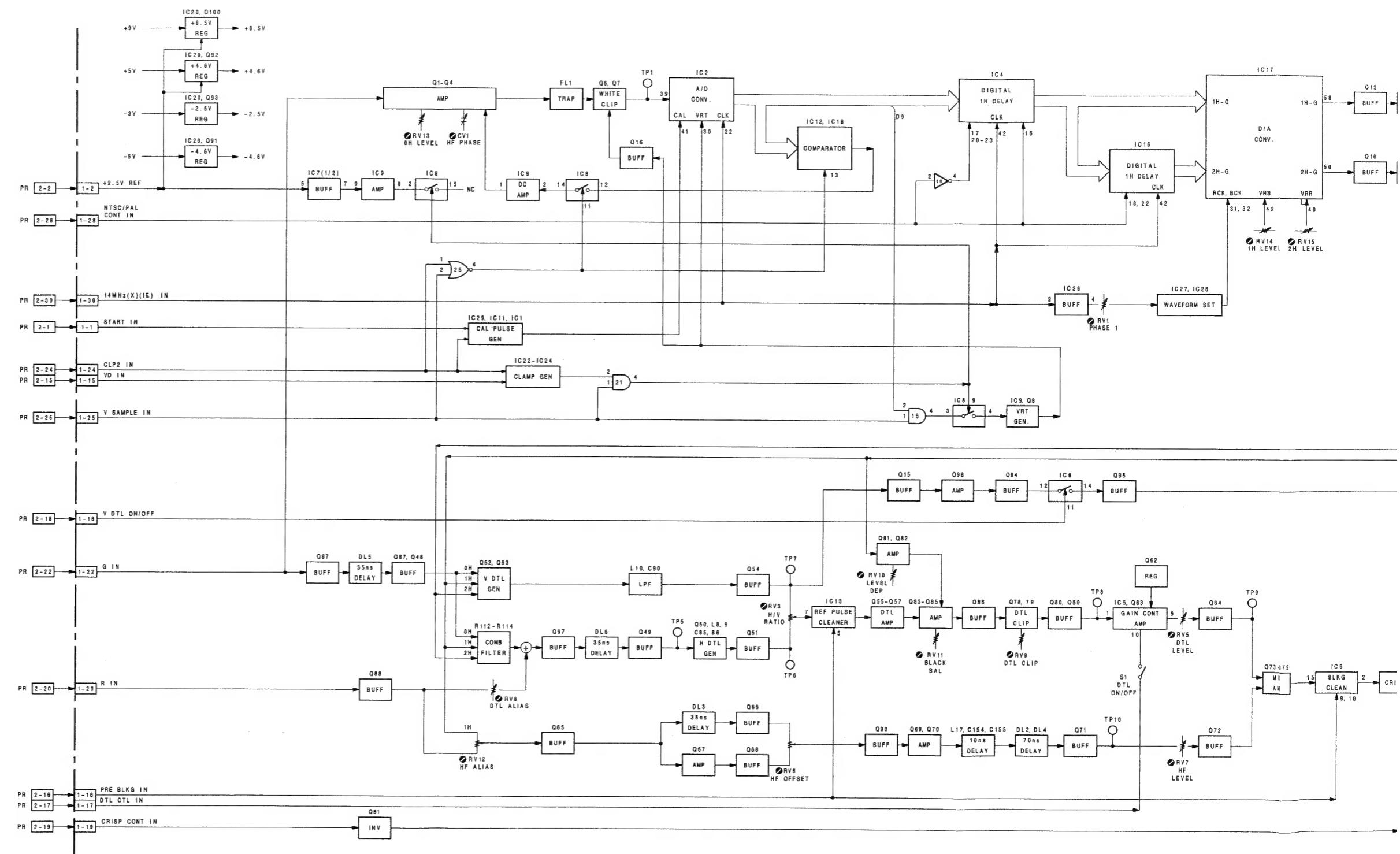


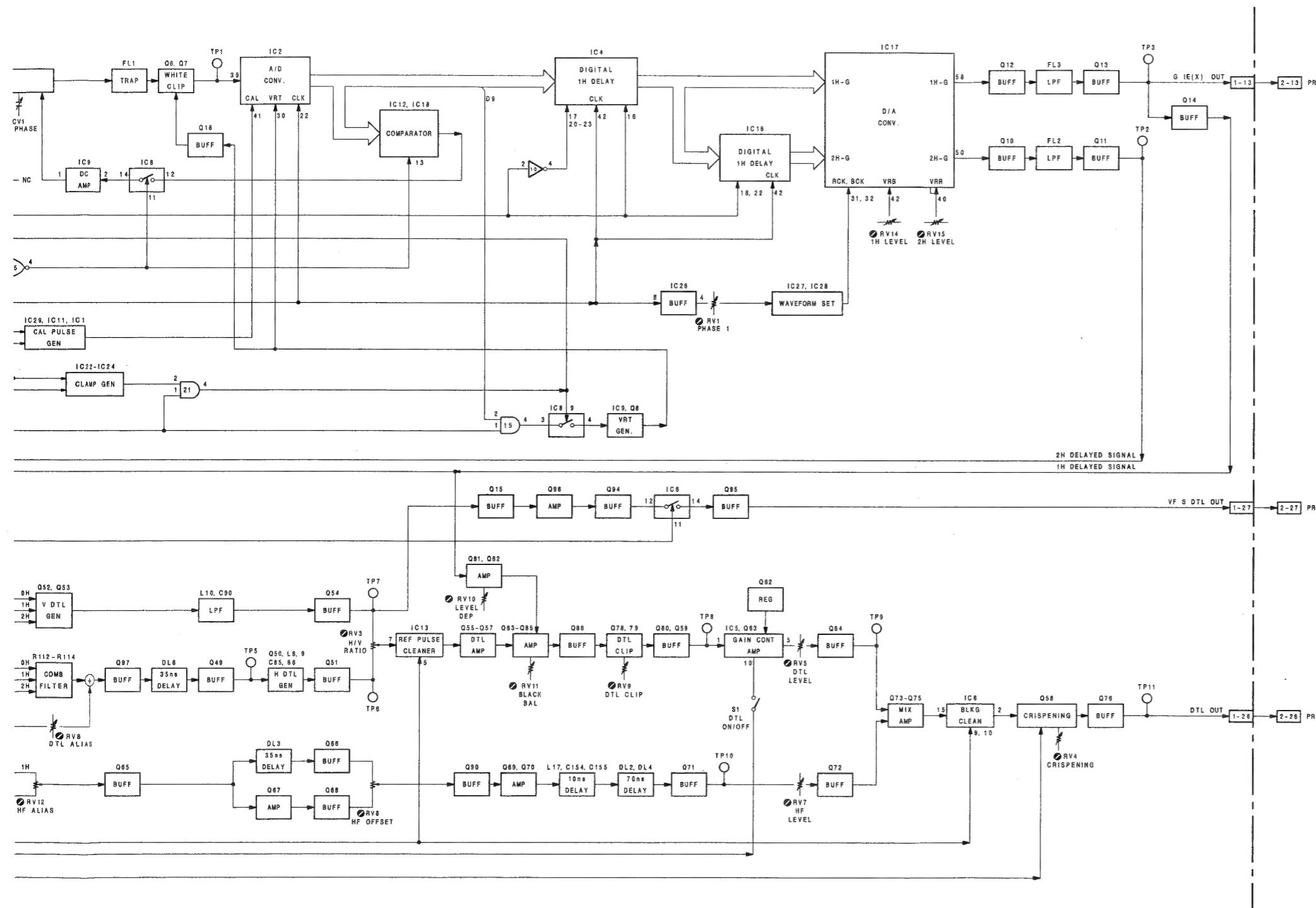


PR-209 BLOCK  
DUS-841 BLOCKDXC-637 (J)  
DXC-637 (UC)  
DXC-637P(EK)



IE - 47 BLOCK



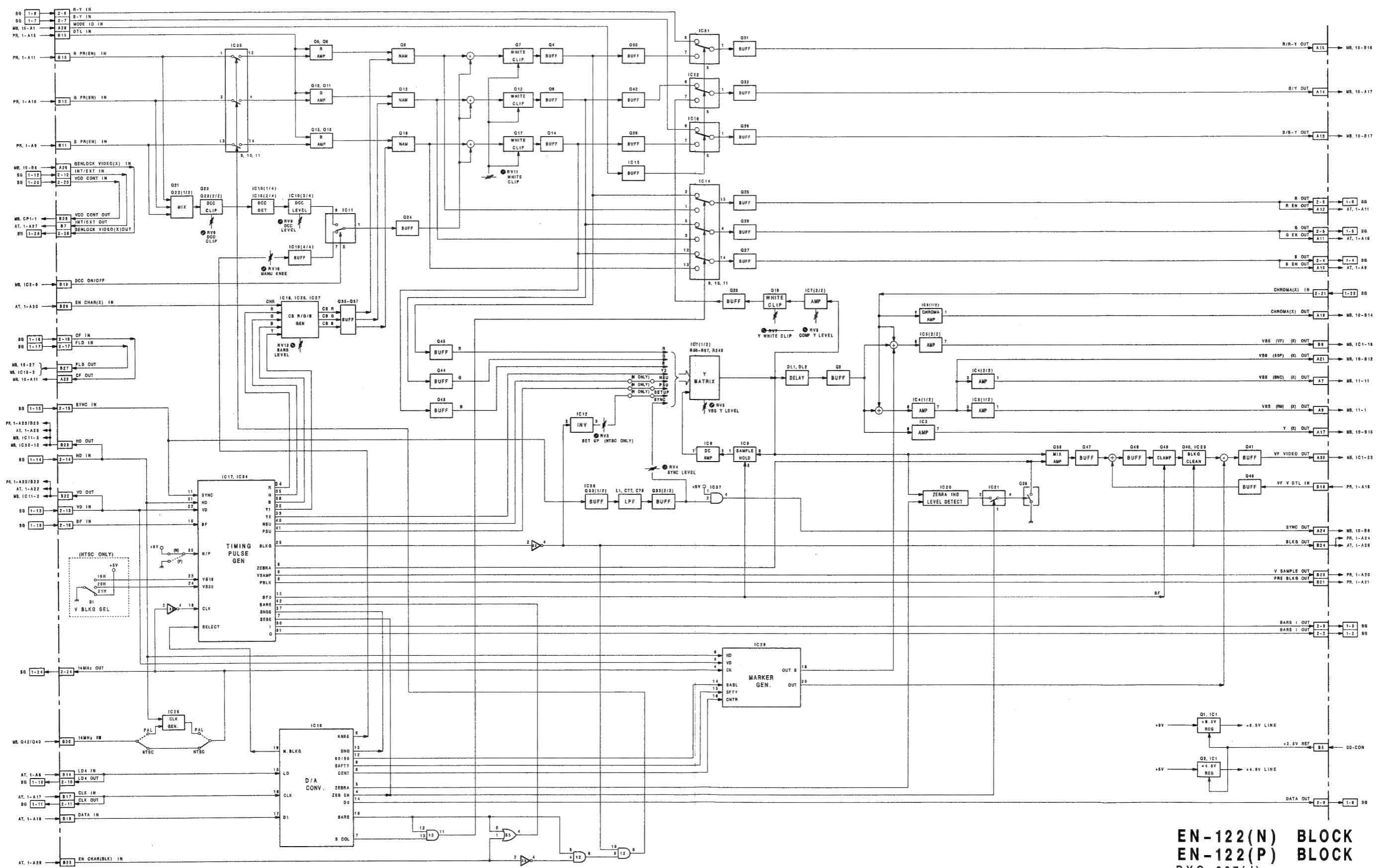


**IE-47 BLOCK**  
DXC-637(J)  
DXC-637(UC)  
DXC-637P(EK, UC)

B-7DXC837-IE47BLOCK/M

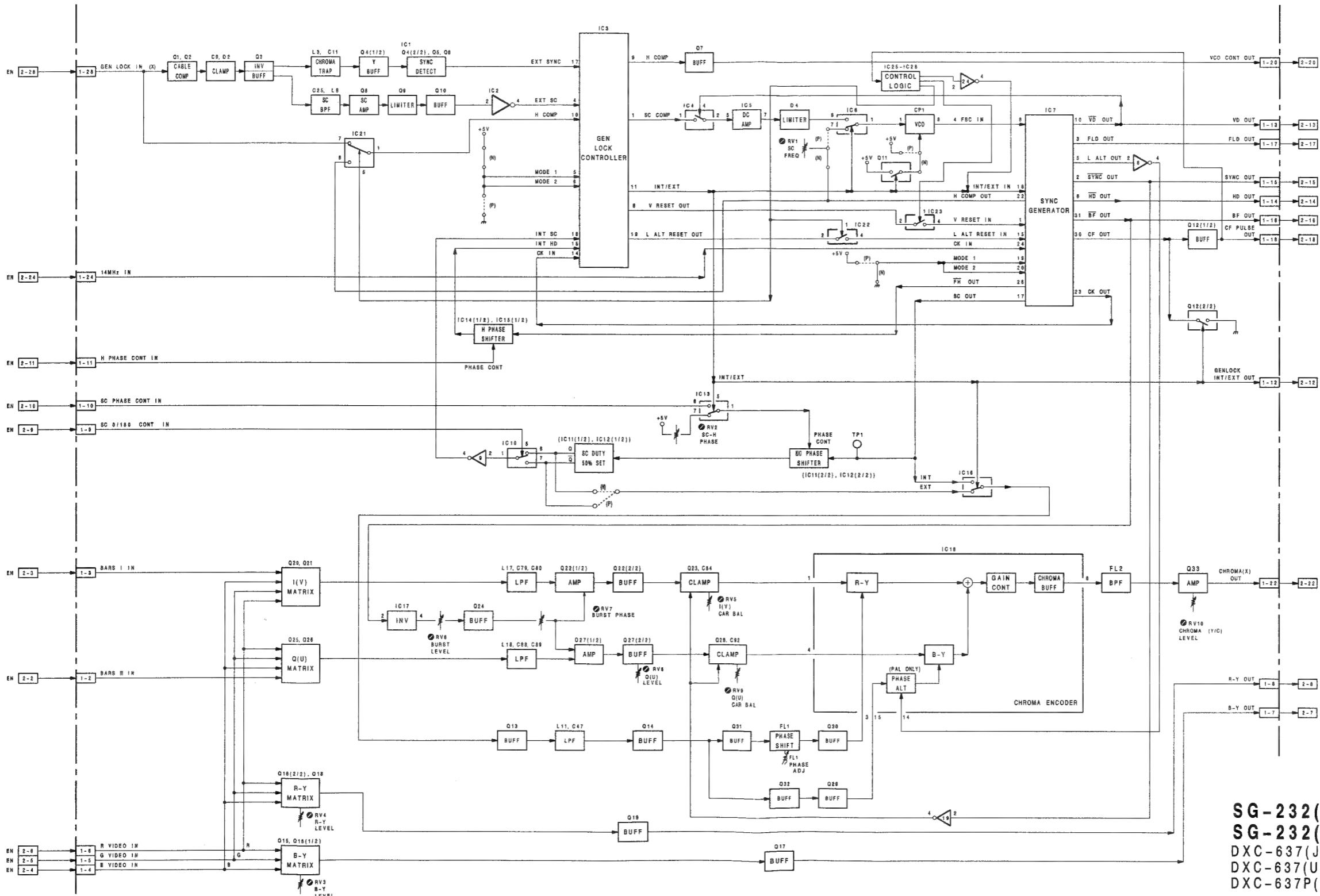
EN-122 BLOCK EN-122 BLOCK

EN-122 BLOCK



SG-232 BLOCK SG-232 BLOCK

SG-232 BLOCK

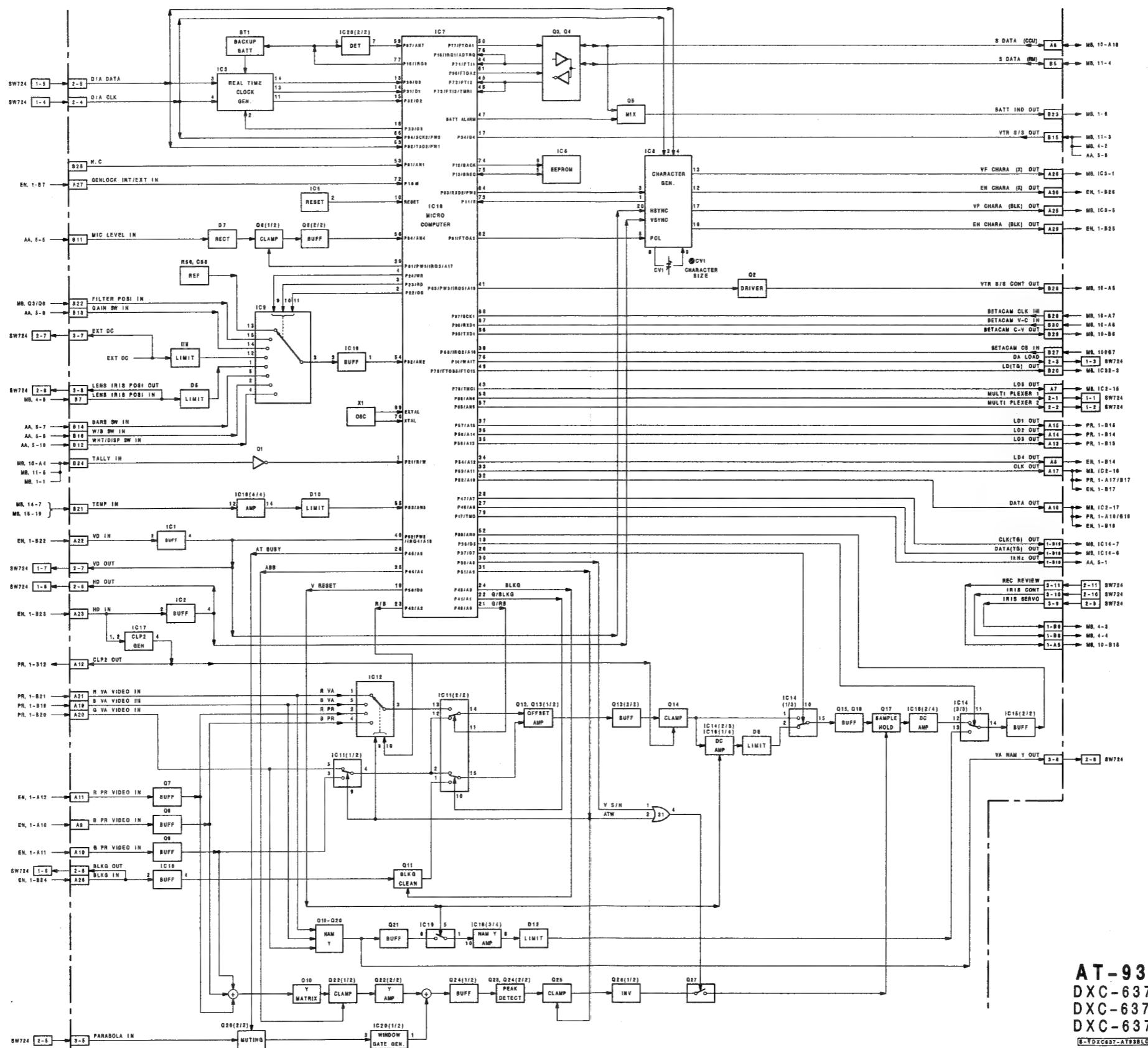


SG-232(N) BLOCK  
SG-232(P) BLOCK  
DXC-637(J)  
DXC-637(UC)  
DXC-637P(EK)

5-V DXC637-SG232BLOCK/M

AT-93 BLOCK AT-93 BLOCK

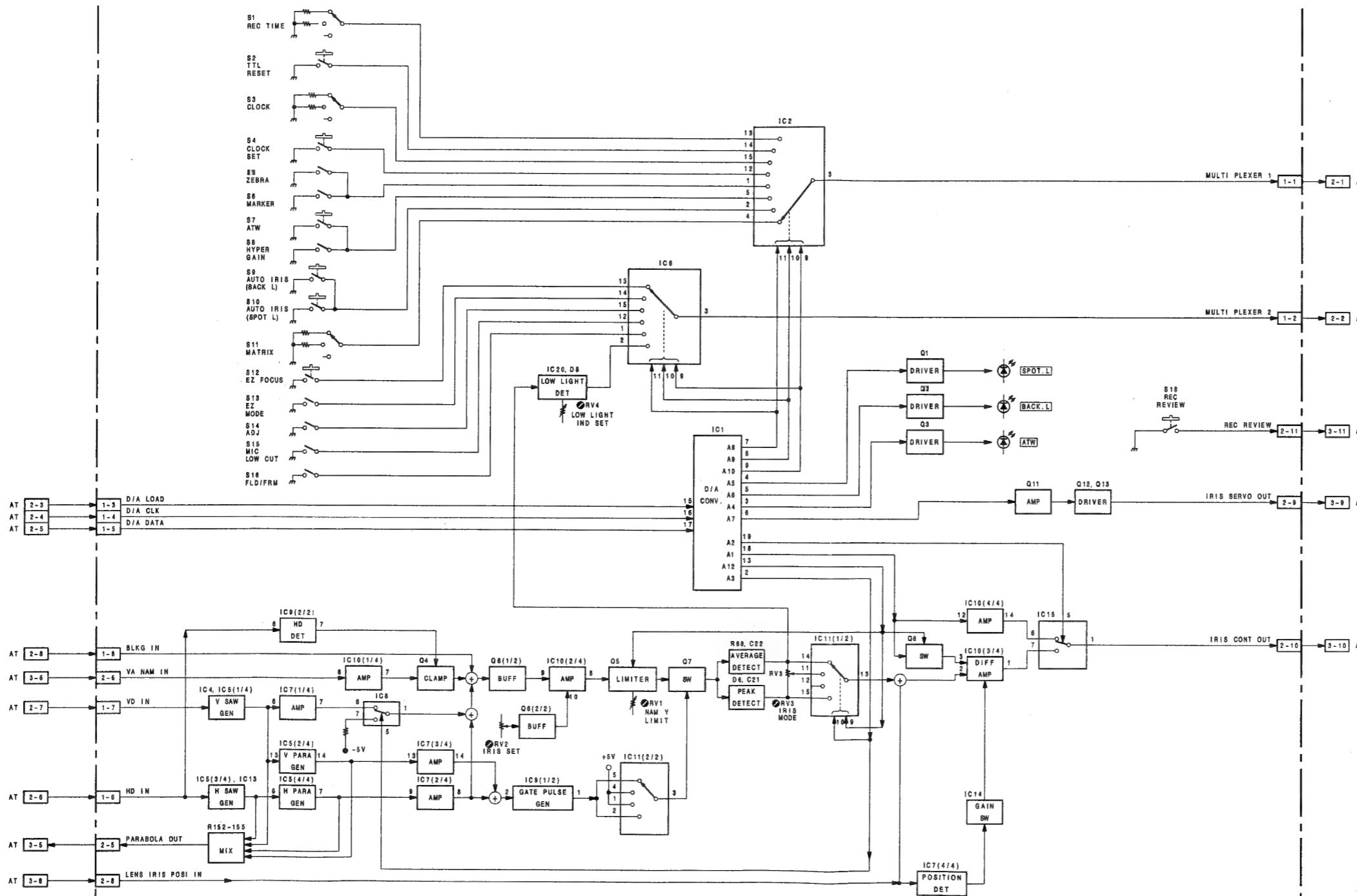
**AT-93 BLOCK**



**AT-93 BLOCK**  
DXC-637(J)  
DXC-637(UC)  
DXC-637P(EK, UC)

SW-724 BLOCK SW-724 BLOCK

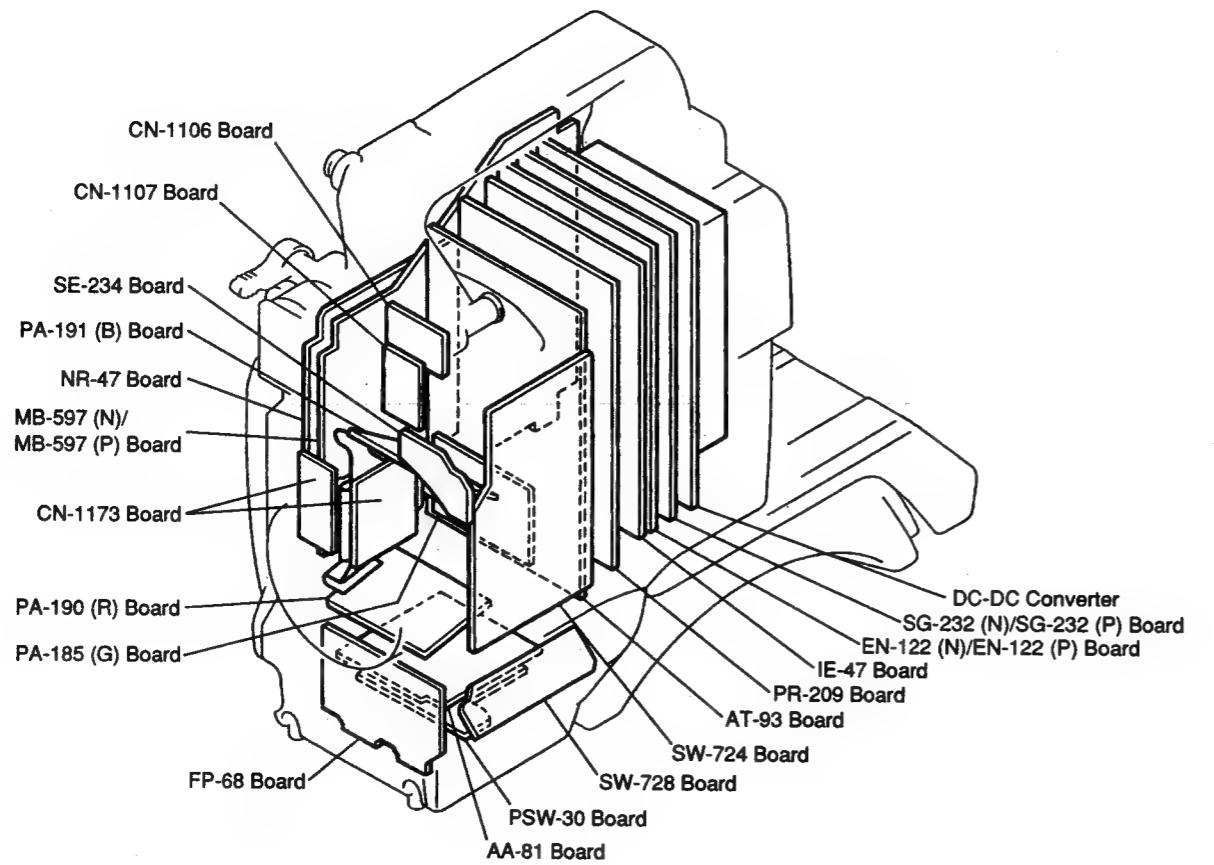
SW-724 BLOCK



SW-724 BLOCK  
 DXC-637(J)  
 DXC-637(UC)  
 DXC-637P(EK, UC)

0-TPXC637-SW724BLOCKIM

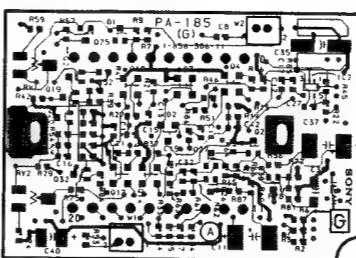
**SECTION B**  
**SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS**



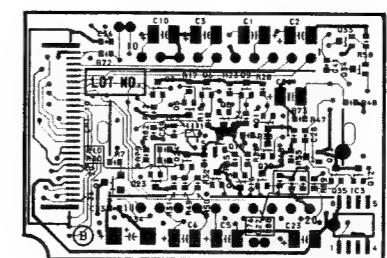
PA-185, 190, 191 CCD BLOCK

CCD BLOCK PA-185, 190, 191

PA-185 BOARD

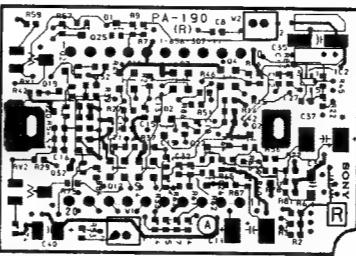


1-656-306-11 COMPONENT SIDE

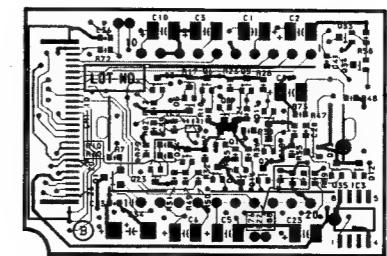


1-656-306-11 SOLDERING SIDE

PA-190 BOARD

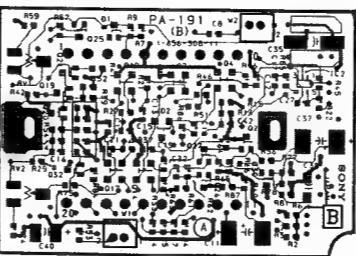


1-656-307-11 COMPONENT SIDE

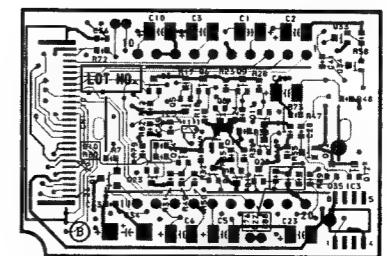


1-656-307-11 SOLDERING SIDE

PA-191 BOARD

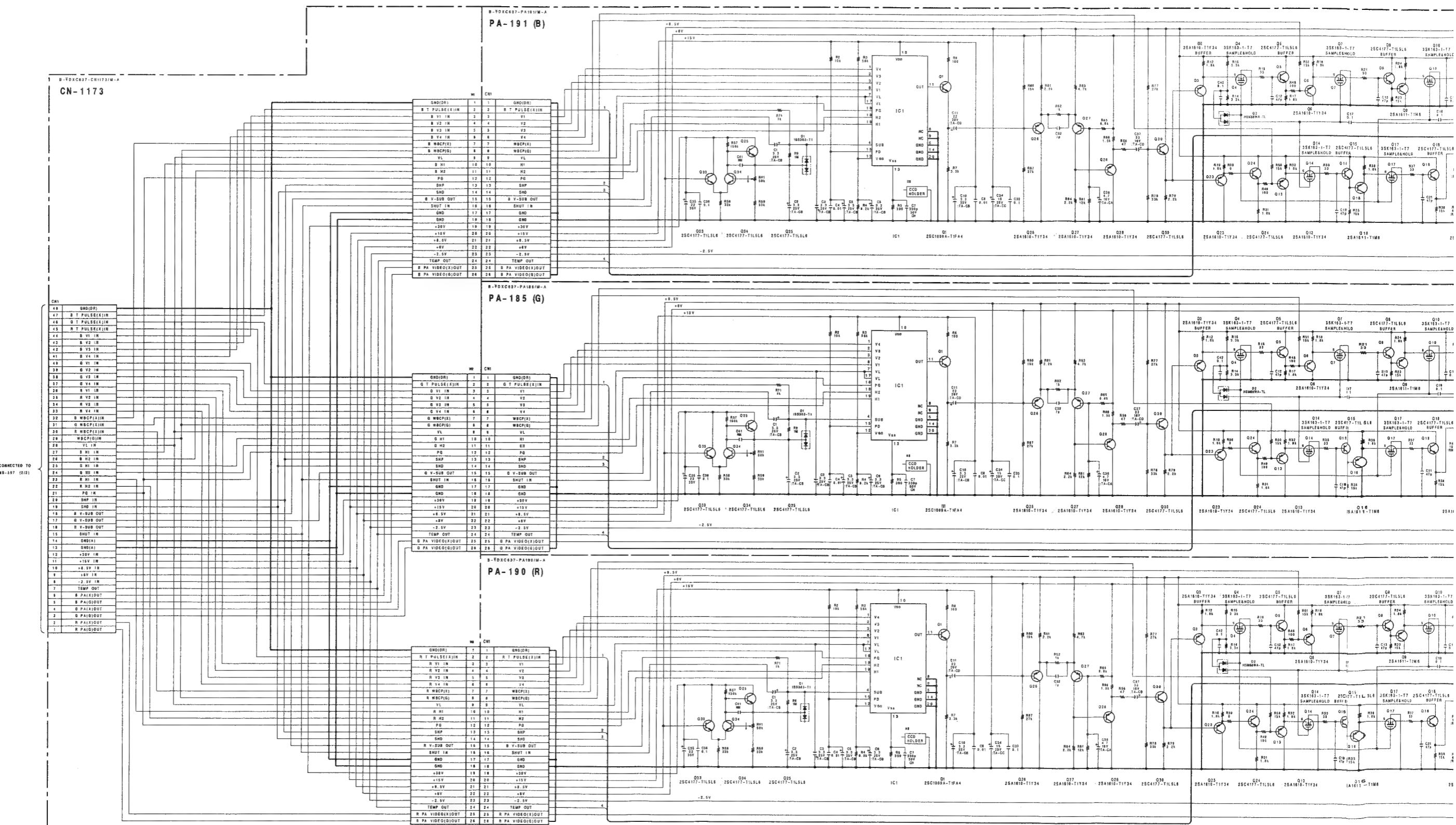


1-656-308-11 COMPONENT SIDE

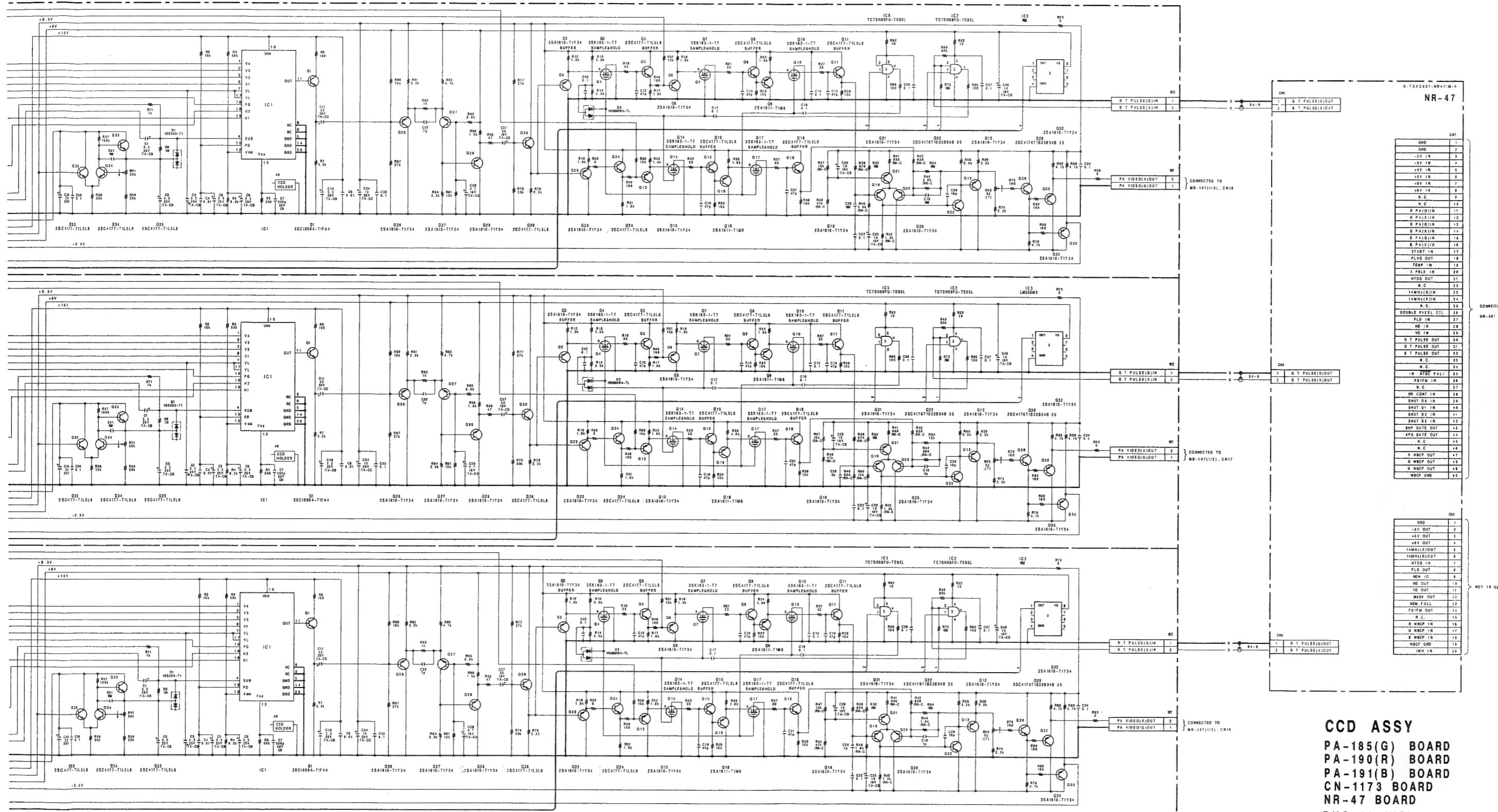


1-656-308-11 SOLDERING SIDE

## CCD BLOCK



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)



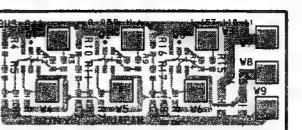
CCD ASSY  
PA-185(G) BOARD  
PA-190(R) BOARD  
PA-191(B) BOARD  
CN-1173 BOARD  
NR-47 BOARD  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)

**DXC637-CCDASSY/M**  
B-~~Y~~DXC637-PA185/M-A  
B-~~Y~~DXC637-PA190/M-A  
B-~~Y~~DXC637-PA191/M-A  
B-~~Y~~DXC637-CN1173/M-A  
B-~~Y~~DXC637-CN1174/M-A

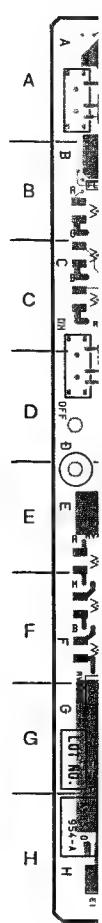
6377 (ER, 30)  
C637-CCDASSY/M  
-YDXC637-PA185/M-A  
-YDXC637-PA190/M-A  
-YDXC637-PA191/M-A  
-YDXC637-CN1173/M-A  
-YDXC637-NP147/M-A

## DUS-841 BOARD

## PR-209



1-657-110-11 COMPONENT SIDE



PR-209 (1)

\*: B SIDE

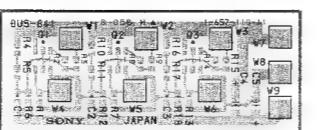
CN1 C-  
CN2 E-DL401 E-  
DL501 E-  
DL601 E-  
D1 F-  
D2 F-  
\*D401 G-  
\*D501 G-  
\*D601 E-  
\*D602 G-

E1 H-

FL101 A-  
FL201 A-  
FL301 A-

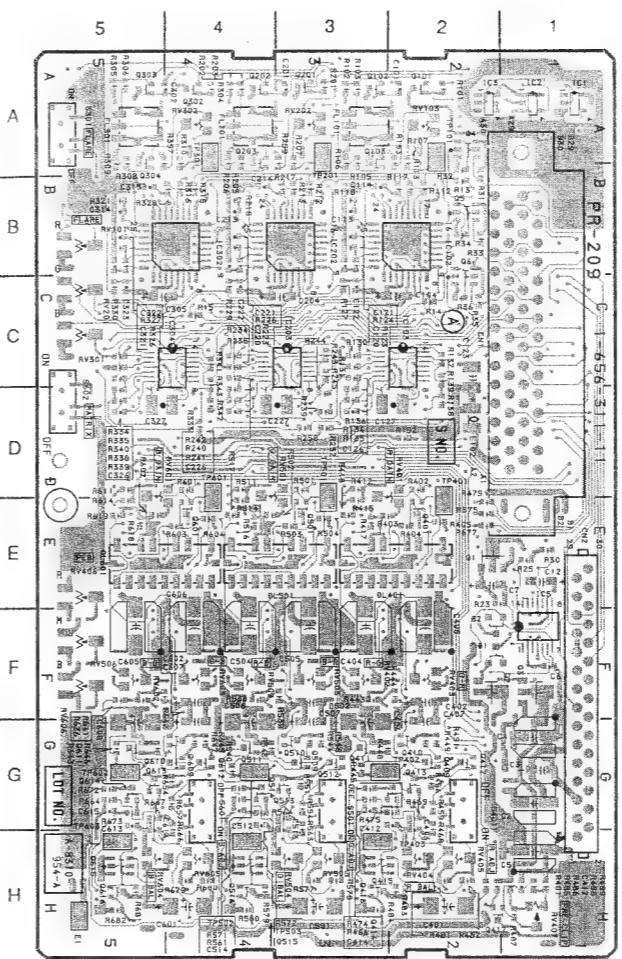
IC1 A-

DUS-841 BOARD

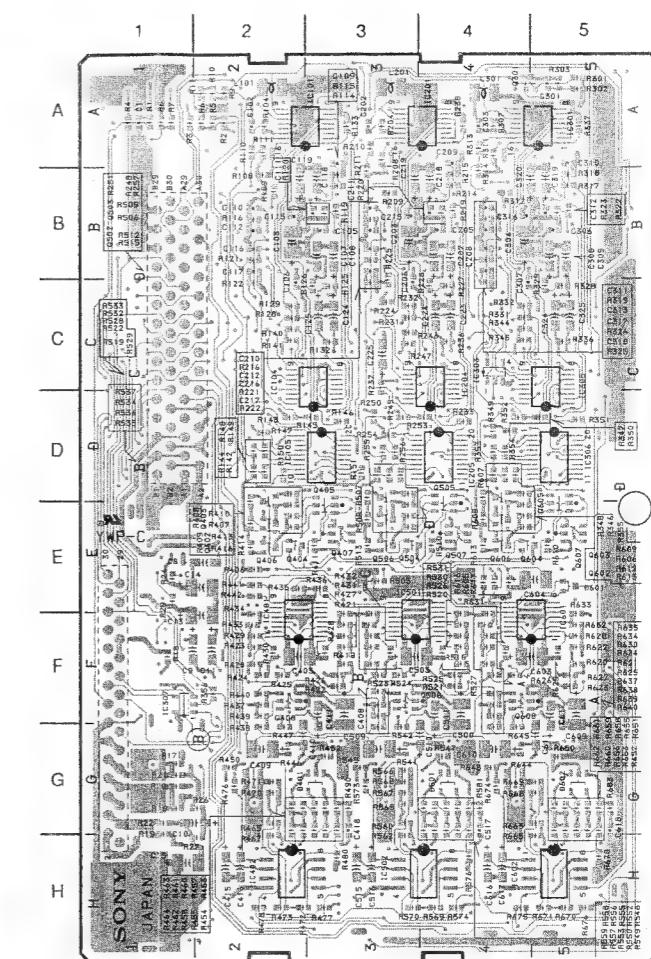


1-657-110-11 COMPONENT SIDE

PR-209 BOARD



1-656-311-11 COMPONENT SIDE



1-656-311-11 SOLDERING SIDE

PR-209 (1-656-311-11)

\*: B SIDE

|       |     |        |     |        |     |       |     |       |     |       |     |       |     |       |     |
|-------|-----|--------|-----|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| CN1   | C-2 | IC2    | A-1 | *IC401 | F-2 | Q103  | A-3 | Q413  | G-2 | Q601  | E-4 | RV202 | A-3 | S602  | C-5 |
| CN2   | E-1 | IC3    | A-2 | *IC402 | H-2 | Q201  | A-3 | Q414  | H-3 | *Q602 | E-5 | RV301 | C-5 |       |     |
|       |     | IC5    | E-1 | *IC501 | E-3 | Q202  | A-4 | Q415  | H-3 | *Q603 | E-5 | RV302 | A-4 | TP101 | A-2 |
| DL401 | E-3 | *IC101 | A-3 | *IC502 | H-3 | Q203  | A-4 | Q416  | H-3 | *Q604 | E-4 | RV401 | D-2 | TP201 | B-3 |
| DL501 | E-4 | IC102  | B-2 | *IC601 | F-5 | *Q301 | A-4 | Q501  | E-3 | *Q605 | E-5 | RV404 | H-2 | TP301 | A-4 |
| DL601 | E-5 | IC103  | C-2 | *IC602 | H-4 | Q302  | A-4 | *Q502 | B-1 | *Q606 | E-4 | RV405 | H-2 | TP401 | D-2 |
| D1    | F-2 | *IC104 | D-2 |        |     | Q303  | A-5 | *Q503 | B-1 | *Q607 | E-5 | RV406 | E-5 | TP402 | G-2 |
| D2    | F-2 | *IC105 | D-2 | *L101  | A-2 | Q304  | B-5 | *Q504 | E-3 | *Q608 | F-4 | RV407 | H-1 | TP403 | H-2 |
| *D401 | G-2 | *IC201 | A-4 | L102   | D-2 | Q401  | E-2 | *Q505 | D-4 | Q609  | G-4 | RV501 | D-3 | TP501 | D-3 |
| *D501 | G-4 | IC202  | B-3 | *L201  | A-3 | *Q402 | E-2 | *Q506 | E-3 | Q610  | G-5 | RV504 | H-3 | TP502 | H-4 |
| *D601 | E-5 | IC203  | C-3 | *L301  | A-4 | *Q403 | E-2 | *Q507 | E-4 | Q611  | G-5 | RV506 | F-5 | TP503 | H-3 |
| *D602 | G-5 | *IC204 | D-4 |        |     | *Q404 | E-2 | *Q508 | F-4 | Q612  | G-4 | RV601 | D-4 | TP601 | D-4 |
|       |     | *IC205 | D-4 | Q1     | E-2 | *Q405 | D-3 | Q509  | G-3 | Q613  | G-5 | RV604 | H-5 | TP602 | G-5 |
| E1    | H-5 | *IC301 | A-5 | Q2     | F-1 | *Q406 | E-2 | Q510  | G-3 | Q614  | G-5 | RV605 | H-4 | TP603 | G-5 |
|       |     | IC302  | B-4 | Q3     | F-1 | *Q407 | E-3 | Q511  | G-4 | Q615  | H-5 | RV606 | F-5 |       |     |
| FL101 | A-3 | *IC303 | C-4 | Q4     | A-2 | *Q408 | F-2 | Q512  | G-3 | Q616  | H-5 |       |     | S301  | A-5 |
| FL201 | A-4 | IC304  | C-4 | Q5     | B-2 | Q409  | G-2 | Q513  | G-3 |       |     | S401  | G-2 |       |     |
| FL301 | A-5 | *IC305 | D-5 | Q6     | B-2 | Q410  | G-2 | Q514  | G-4 | RV101 | B-5 | S501  | G-3 |       |     |
|       |     | *IC306 | D-5 | Q101   | A-2 | Q411  | G-3 | Q515  | H-3 | RV103 | A-2 | S601  | G-4 |       |     |
| IC1   | A-1 | *IC307 | F-1 | Q102   | A-3 | Q412  | G-2 | Q516  | H-4 | RV201 | C-5 |       |     |       |     |

## PR-209

### VIDEO PROCESS

## 注意：

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮像し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- SWITCH POSITION
 

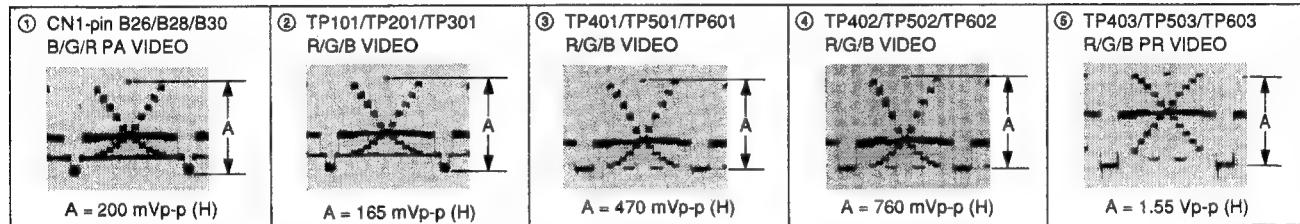
|                         |                     |
|-------------------------|---------------------|
| • OUTPUT : CAM(DCC OFF) | • CLOCK : OFF       |
| • GAIN : 0dB            | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET    | • MATRIX : OFF      |
| • SHUTTER : OFF         | • ATW : OFF         |
| • ZEBRA MARKER : OFF    | • A IRIS MODE : STD |
| • PHASE : 0°            |                     |

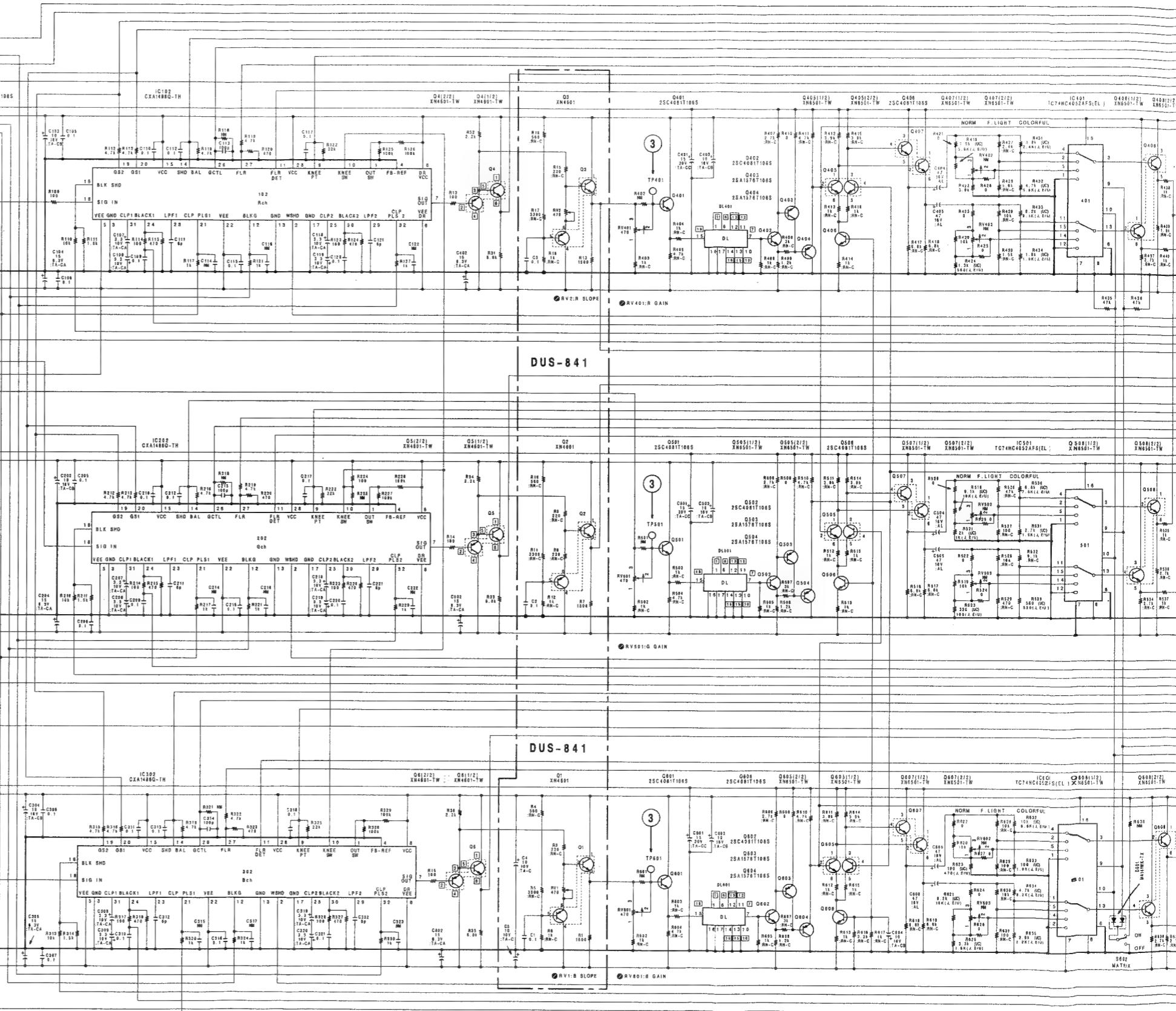
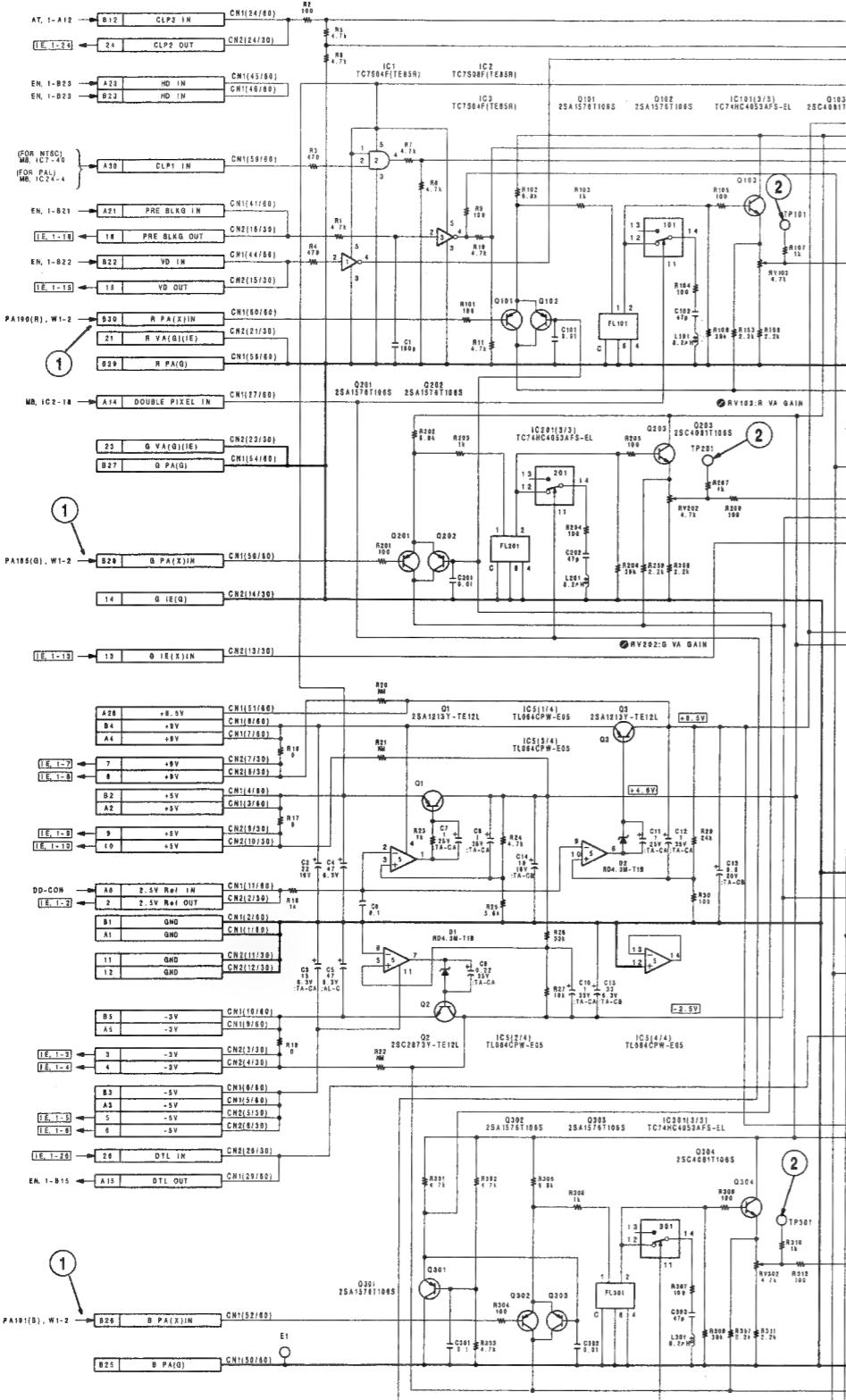
## NOTE:

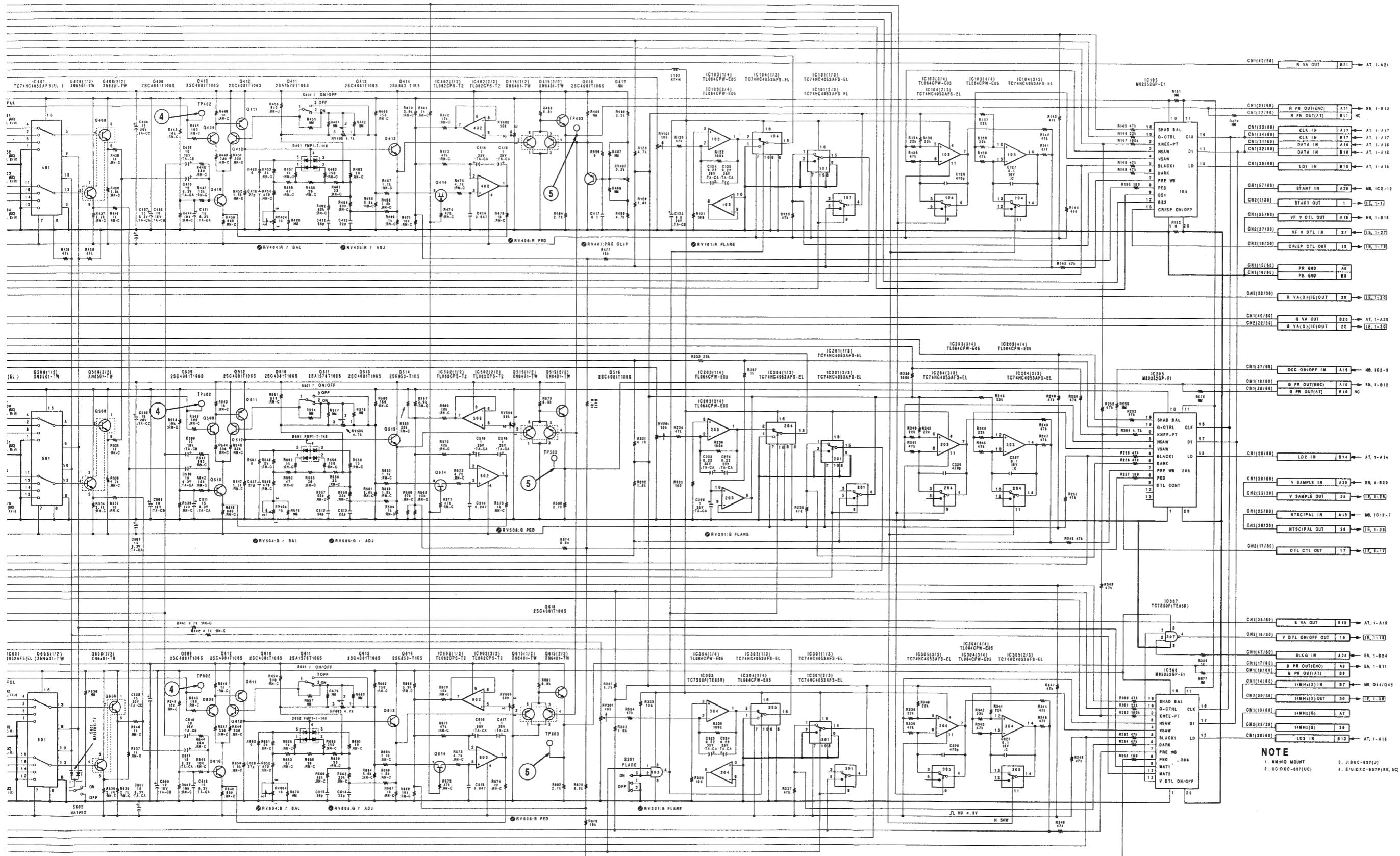
1. All waveforms are measured in condition below.

- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.
- SWITCH POSITION
 

|                         |                     |
|-------------------------|---------------------|
| • OUTPUT : CAM(DCC OFF) | • CLOCK : OFF       |
| • GAIN : 0dB            | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET    | • MATRIX : OFF      |
| • SHUTTER : OFF         | • ATW : OFF         |
| • ZEBRA MARKER : OFF    | • A IRIS MODE : STD |
| • PHASE : 0°            |                     |



PR-209  
DUS-841DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)



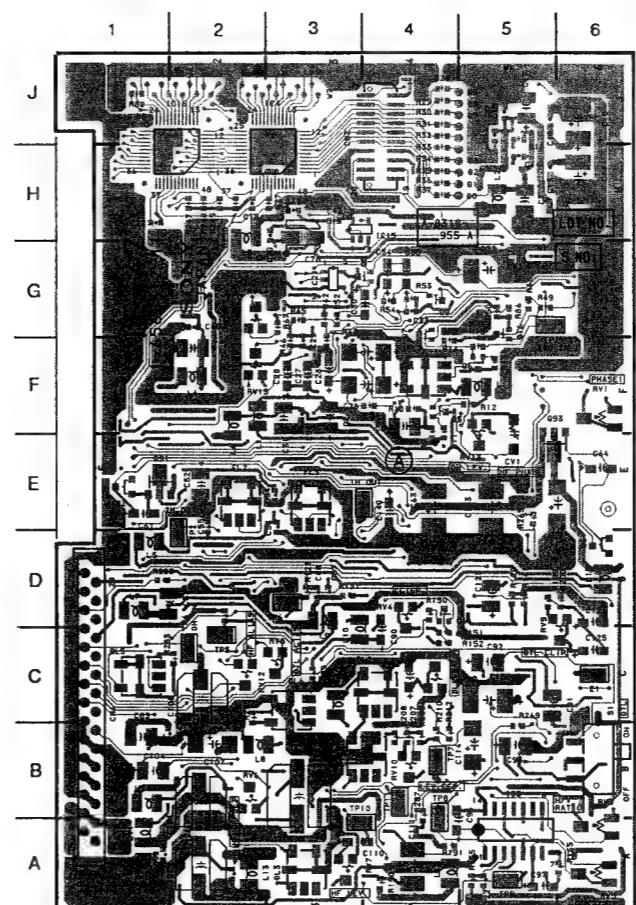
PR-219 BOARD  
DUS-141 BOARD  
DXC-637 (UC)  
DXC-637 (J)  
DXC-637 P(EK, UC)  
A-DXC-637-PR141-M-DUS  
G-141

**B-7DXC637-120 2/M-A**  
**B-7DXC637-084 1/M-A**

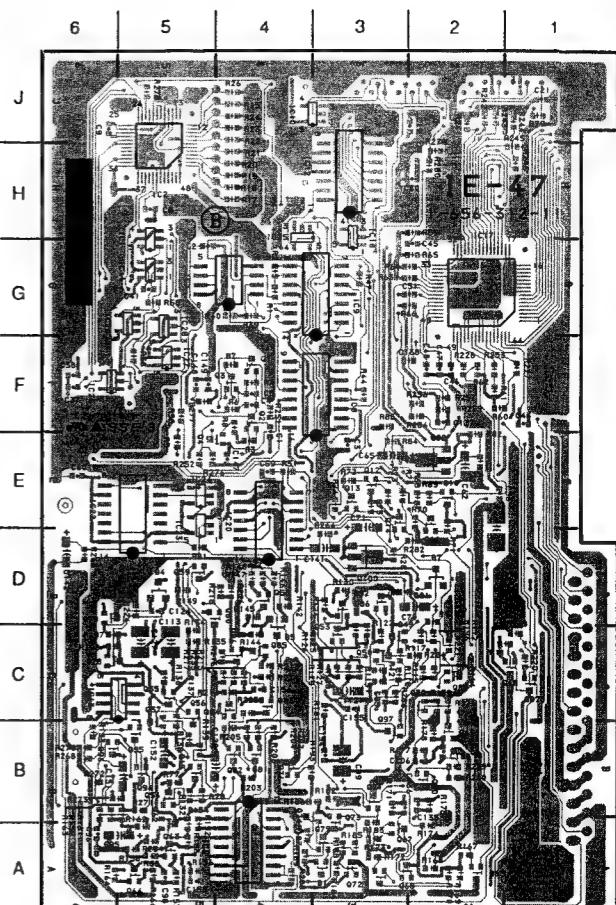
6-35555-0184 174-1

1

## IE-47 BOARD



1-656-312-11 COMPONENT SIDE



1-656-312-11 SOLDERING SIDE

## IE-47 (1-656-312-11)

\*: B SIDE

|     |     |       |     |       |     |      |     |      |     |      |     |       |     |      |     |
|-----|-----|-------|-----|-------|-----|------|-----|------|-----|------|-----|-------|-----|------|-----|
| CN1 | C-1 | FL3   | E-3 | *IC22 | E-6 | L12  | A-1 | *Q15 | B-5 | *Q67 | A-3 | *Q88  | C-2 | RV11 | C-4 |
| CV1 | E-5 | *IC1  | H-5 | *IC23 | E-5 | L13  | A-3 | Q16  | G-5 | *Q68 | A-3 | *Q90  | B-2 | RV12 | C-2 |
|     |     | *IC2  | H-5 | *IC24 | E-5 | L14  | B-1 | *Q48 | C-1 | *Q69 | B-2 | Q91   | E-1 | RV13 | E-5 |
| DL2 | C-3 | IC4   | J-3 | *IC25 | H-4 | L15  | D-6 | *Q49 | D-3 | *Q70 | A-3 | *Q92  | E-2 | RV14 | G-2 |
| DL3 | A-3 | IC5   | B-5 | *IC26 | F-6 | L17  | C-3 | *Q50 | C-3 | *Q71 | B-3 | Q93   | F-5 | RV15 | F-2 |
| DL4 | B-3 | *IC6  | A-5 | *IC27 | F-5 |      |     | *Q51 | D-3 | *Q72 | A-3 | *Q94  | B-5 |      |     |
| DL5 | C-1 | *IC7  | G-5 | *IC28 | G-5 | *Q1  | F-4 | *Q52 | D-3 | *Q73 | B-3 | *Q95  | B-5 | S1   | C-6 |
| DL6 | C-3 | *IC8  | F-3 | *IC29 | G-6 | *Q2  | F-4 | *Q53 | C-3 | *Q74 | B-4 | *Q96  | B-6 |      |     |
| *D1 | A-3 | *IC9  | G-3 | L1    | E-2 | *Q3  | F-4 | *Q54 | B-5 | *Q75 | A-3 | *Q97  | C-3 | TP1  | F-5 |
| D2  | E-1 | *IC10 | J-4 | L2    | H-5 | Q5   | F-4 | *Q55 | C-5 | *Q76 | B-4 | *Q100 | D-3 | TP2  | D-2 |
| *D4 | D-5 | *IC11 | G-5 | L3    | G-2 | Q6   | F-5 | *Q56 | C-5 | *Q78 | C-6 |       |     | TP3  | D-3 |
| *D5 | C-4 | *IC12 | H-4 | L4    | F-2 | Q7   | G-4 | *Q57 | C-5 | *Q79 | D-6 | RV1   | F-6 | TP4  | C-2 |
| D6  | D-6 | *IC13 | C-6 | L5    | D-1 | Q8   | G-4 | *Q58 | D-4 | *Q80 | D-4 | RV3   | B-6 | TP5  | C-2 |
| *D7 | D-2 | IC15  | H-4 | L6    | E-2 | Q9   | G-4 | *Q59 | D-5 | *Q81 | B-4 | RV4   | D-4 | TP6  | D-3 |
|     |     | IC16  | J-2 | L7    | D-1 | *Q10 | E-2 | *Q60 | D-5 | *Q82 | B-4 | RV5   | A-6 | TP7  | B-4 |
| E1  | C-6 | *IC17 | H-2 | L8    | B-2 | *Q11 | D-2 | *Q61 | D-5 | *Q83 | C-4 | RV6   | B-2 | TP8  | B-4 |
|     |     | *IC18 | H-3 | L9    | C-3 | *Q12 | E-3 | *Q62 | B-5 | *Q84 | C-5 | RV7   | A-4 | TP9  | A-5 |
| FL1 | F-4 | *IC20 | E-4 | L10   | C-3 | *Q13 | E-3 | *Q63 | A-5 | *Q85 | C-4 | RV8   | C-3 | TP10 | B-3 |
| FL2 | E-2 | IC21  | G-3 | L11   | A-1 | *Q14 | E-3 | *Q64 | A-5 | *Q86 | C-4 | RV9   | C-5 | TP11 | B-4 |
|     |     |       |     |       |     |      |     | *Q65 | A-2 | *Q87 | C-1 | RV10  | B-4 |      |     |

DXC-637 (UC)  
DXC-637P (EK)

## IE-47 IMAGE ENHANCER

## 注意：

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮像し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- SWITCH POSITION
 

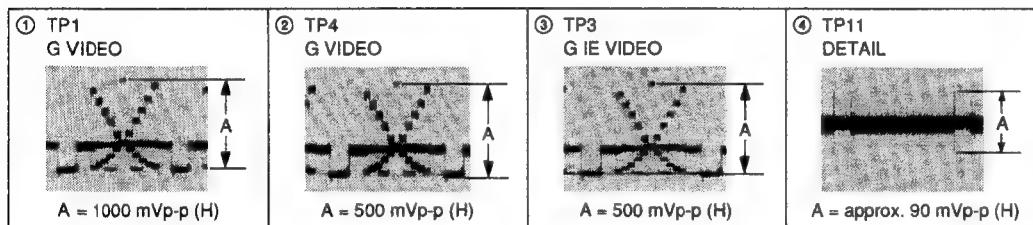
|                         |                     |
|-------------------------|---------------------|
| • OUTPUT : CAM(DCC OFF) | • CLOCK : OFF       |
| • GAIN : 0dB            | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET    | • MATRIX : OFF      |
| • SHUTTER : OFF         | • ATW : OFF         |
| • ZEBRA MARKER : OFF    | • A IRIS MODE : STD |
| • PHASE : 0°            |                     |

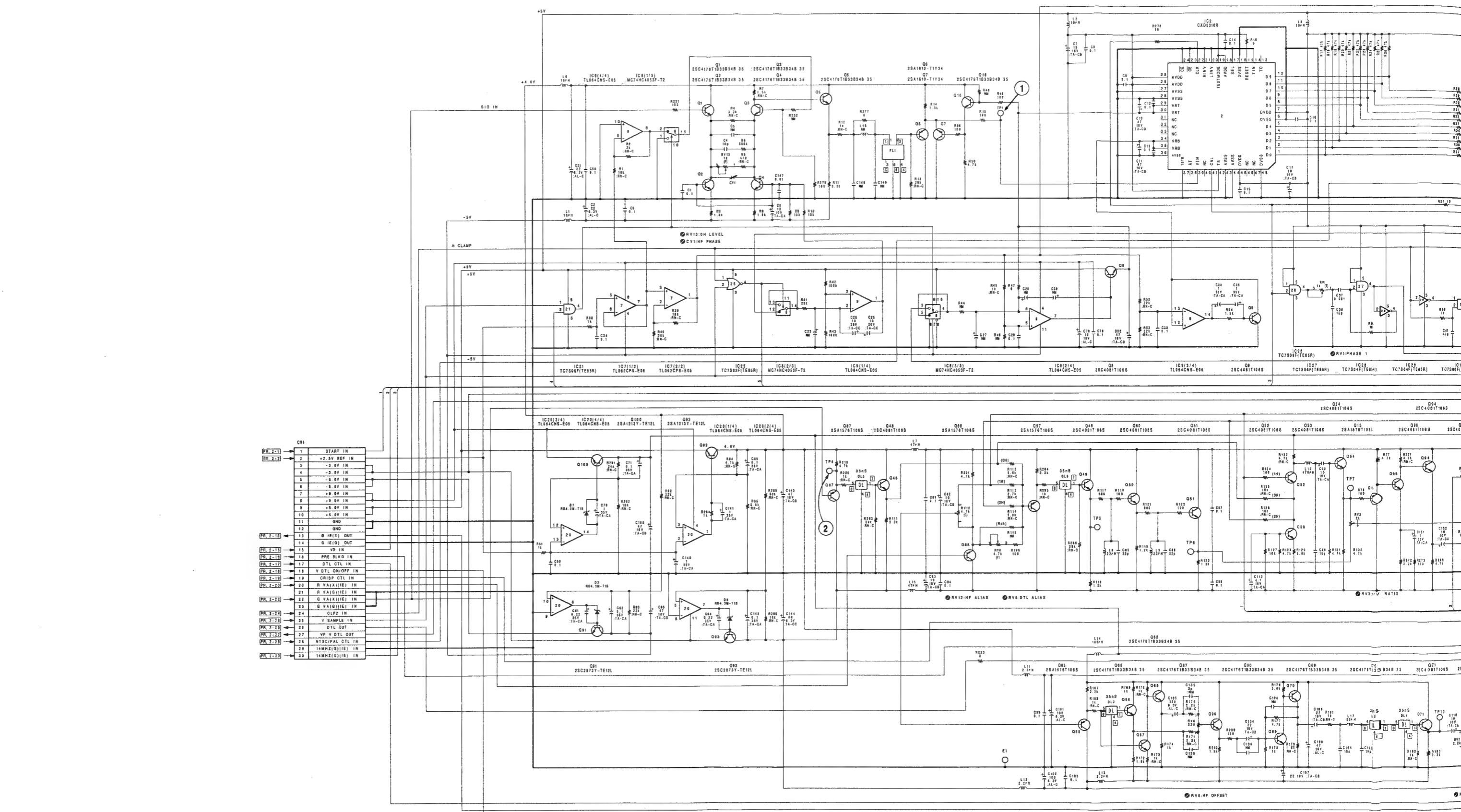
## NOTE:

1. All waveforms are measured in condition below.

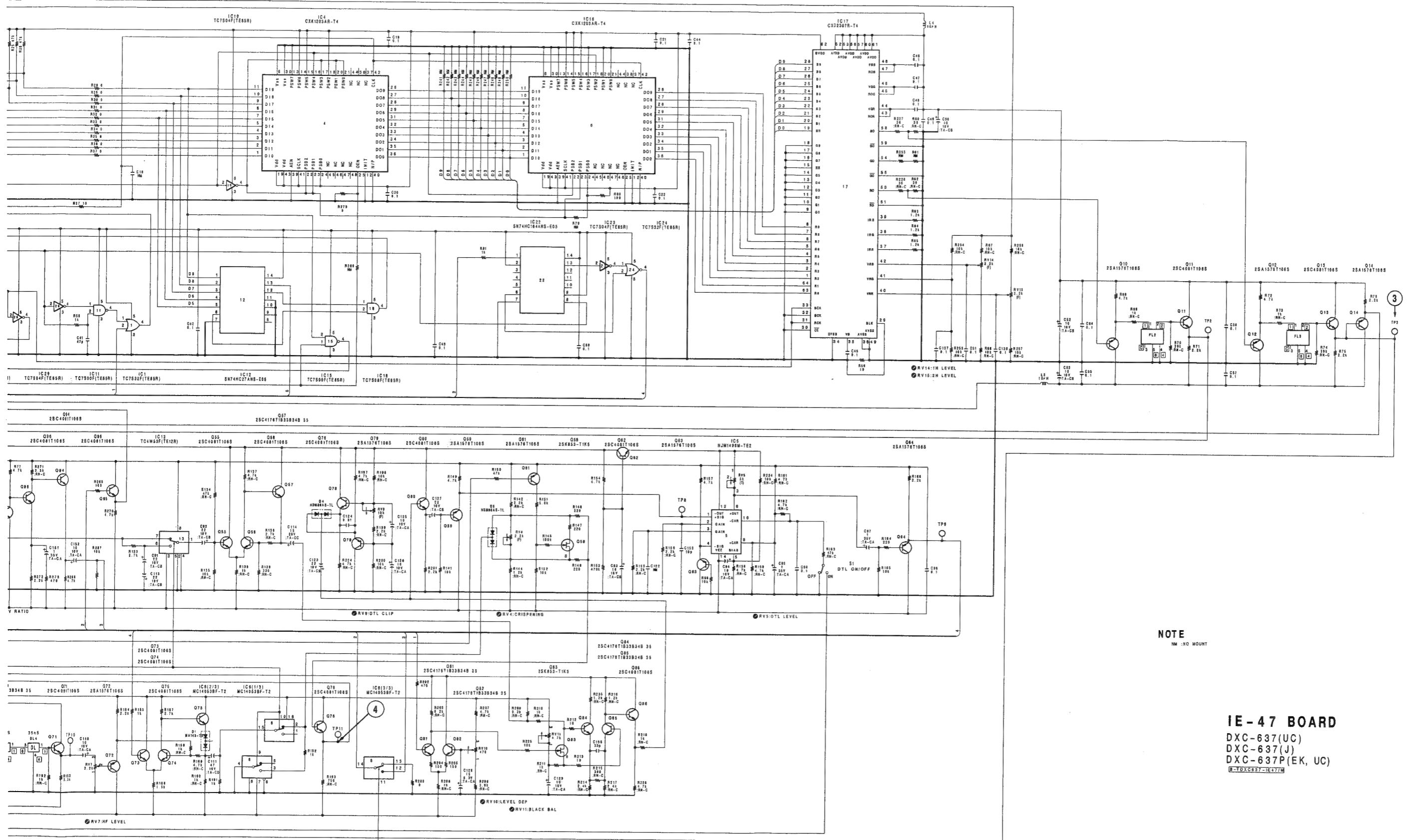
- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.
- SWITCH POSITION
 

|                         |                     |
|-------------------------|---------------------|
| • OUTPUT : CAM(DCC OFF) | • CLOCK : OFF       |
| • GAIN : 0dB            | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET    | • MATRIX : OFF      |
| • SHUTTER : OFF         | • ATW : OFF         |
| • ZEBRA MARKER : OFF    | • A IRIS MODE : STD |
| • PHASE : 0°            |                     |

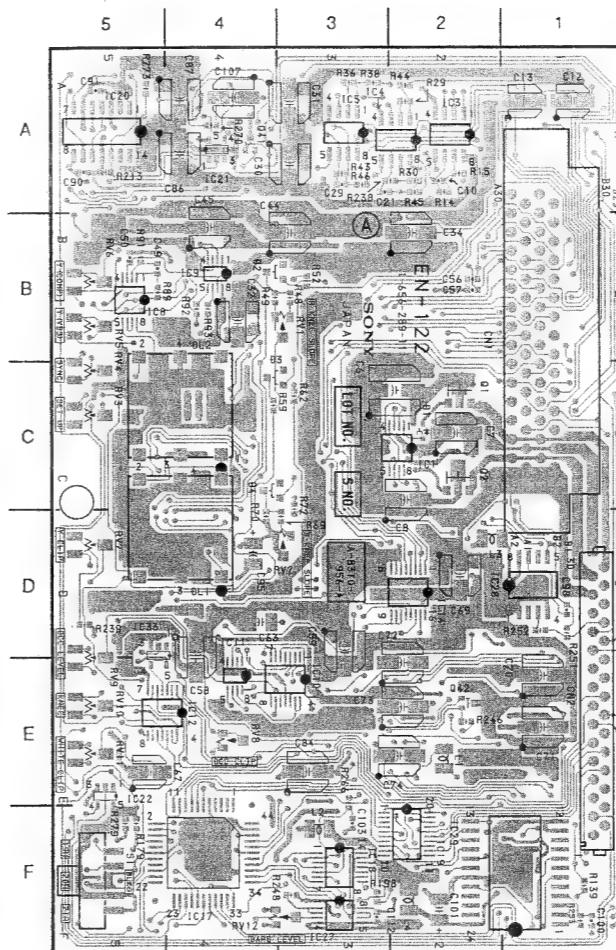




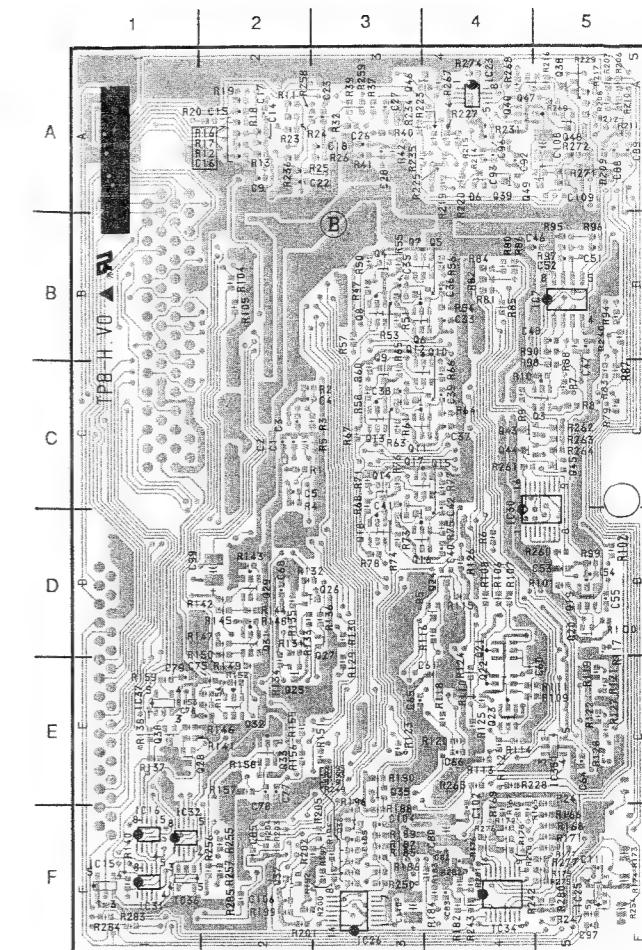
DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)



## EN-122 BOARD



1-656-289-11 COMPONENT SIDE



1-656-289-11 SOLDERING SIDE

## EN-122 (1-656-289-11)

\*: B SIDE

|      |     |       |     |       |     |      |     |      |     |      |     |
|------|-----|-------|-----|-------|-----|------|-----|------|-----|------|-----|
| CN1  | B-2 | IC10  | E-3 | *IC31 | F-1 | *Q7  | B-3 | *Q26 | D-3 | *Q46 | A-3 |
| CN2  | E-1 | IC11  | D-4 | *IC32 | F-1 | *Q8  | B-3 | *Q27 | D-3 | *Q47 | A-4 |
|      |     | IC12  | E-4 | IC33  | D-5 | *Q9  | B-3 | *Q28 | E-1 | *Q48 | A-5 |
| DL1  | D-4 | IC14  | D-2 | *IC34 | F-4 | *Q10 | B-4 | *Q29 | D-2 | *Q49 | A-4 |
| DL2  | B-4 | *IC15 | F-1 | *IC35 | E-5 | *Q11 | C-3 | *Q30 | E-1 |      |     |
| D1   | C-2 | *IC16 | F-1 | *IC36 | F-1 | *Q12 | B-3 | *Q31 | D-2 | RV3  | C-5 |
| D2   | B-4 | IC17  | F-4 | *IC37 | E-1 | *Q13 | C-3 | *Q32 | E-2 | RV4  | B-5 |
| D3   | B-4 | IC18  | F-3 |       |     | *Q14 | C-3 | *Q33 | E-2 | RV5  | B-5 |
| D4   | C-4 | IC19  | F-2 | L1    | E-2 | *Q15 | C-4 | *Q35 | E-3 | RV6  | B-5 |
| *D5  | D-3 | IC20  | A-5 | L2    | F-3 | *Q16 | D-3 | *Q36 | F-3 | RV7  | D-5 |
| *D6  | A-4 | IC21  | A-4 | L3    | D-2 | *Q17 | C-3 | *Q37 | F-2 | RV8  | E-3 |
|      |     | IC22  | E-5 | L4    | F-2 | *Q18 | D-3 | *Q38 | A-5 | RV9  | E-5 |
| IC1  | C-2 | *IC23 | A-4 |       |     | *Q19 | D-5 | *Q39 | A-4 | RV10 | E-5 |
| IC3  | A-2 | *IC25 | F-5 | Q1    | C-2 | *Q20 | D-5 | *Q40 | A-4 | RV11 | E-5 |
| IC4  | A-3 | *IC26 | F-3 | Q2    | C-2 | *Q21 | D-4 | Q41  | A-4 | RV12 | F-4 |
| IC5  | A-3 | IC27  | F-3 | *Q3   | C-5 | *Q22 | E-4 | Q42  | E-2 |      |     |
| *IC7 | B-5 | IC28  | D-2 | *Q4   | B-3 | *Q23 | E-4 | *Q43 | C-4 | S1   | F-5 |
| IC8  | B-5 | IC29  | F-2 | *Q5   | B-4 | *Q24 | D-4 | *Q44 | C-4 |      |     |
| IC9  | B-4 | *IC30 | D-4 | *Q6   | B-3 | *Q25 | E-2 | *Q45 | C-5 |      |     |

## EN-122 ENCODER

## 注意：

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。

## • SWITCH POSITION

|                      |                     |
|----------------------|---------------------|
| • OUTPUT : BARS      | • CLOCK : OFF       |
| • GAIN : 0dB         | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET | • MATRIX : OFF      |
| • SHUTTER : OFF      | • ATW : OFF         |
| • ZEBRA MARKER : OFF | • A IRIS MODE : STD |
| • PHASE : 0°         | • PHASE : 0°        |

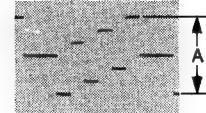
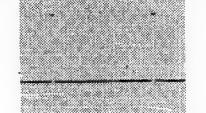
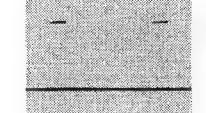
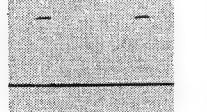
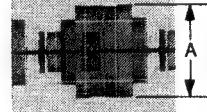
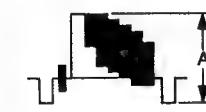
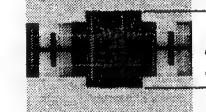
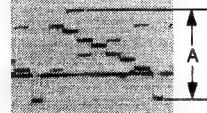
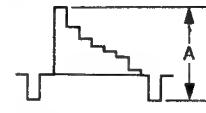
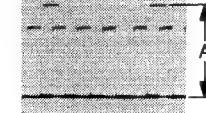
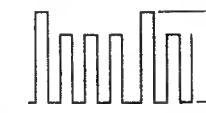
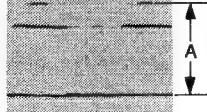
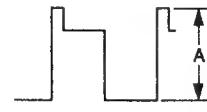
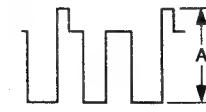
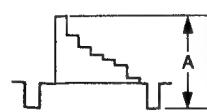
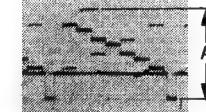
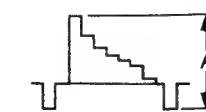
## NOTE:

1. All waveforms are measured in condition below.

- Connect the camera adaptor CA-537/537P to the camera.

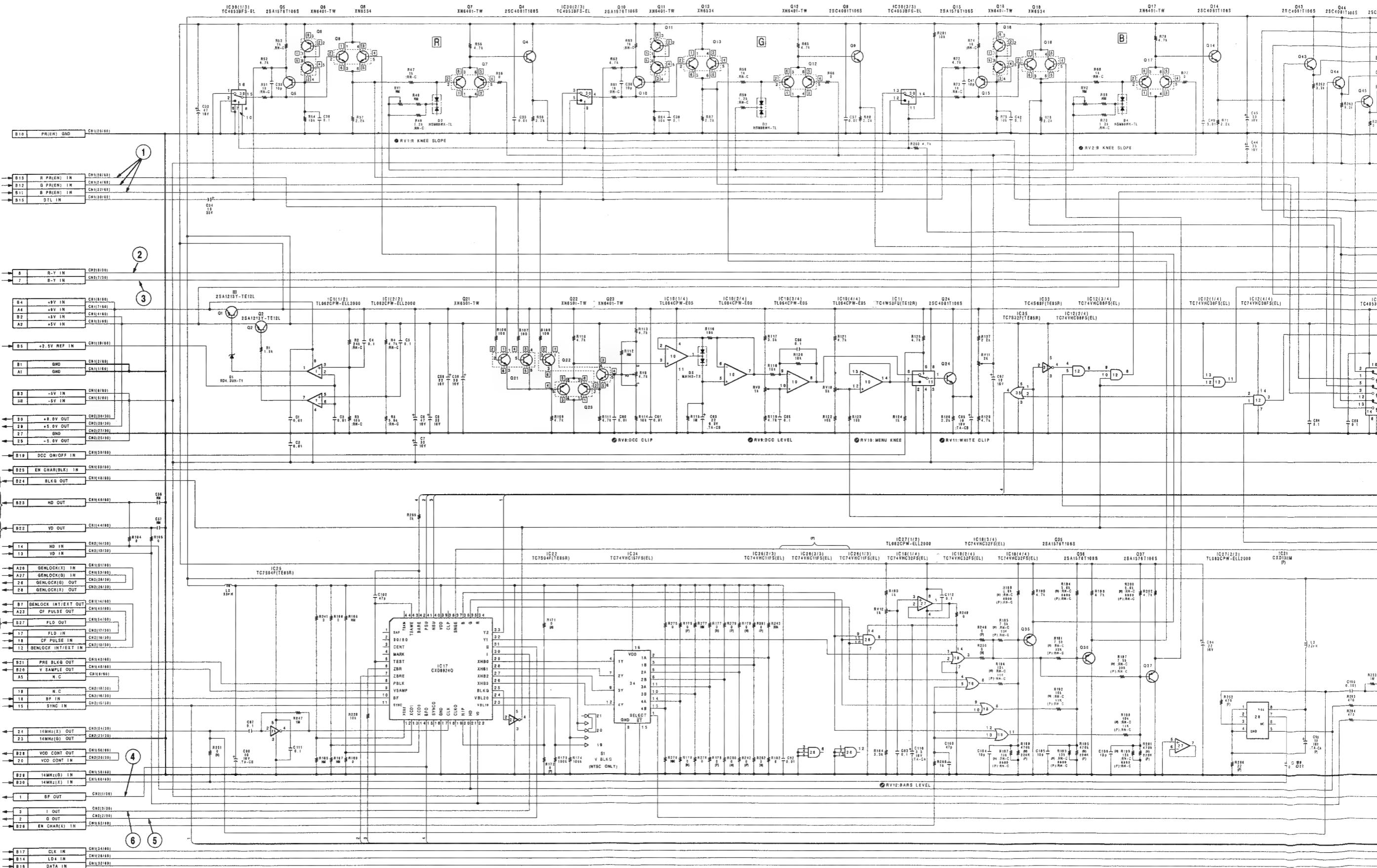
## • SWITCH POSITION

|                      |                     |
|----------------------|---------------------|
| • OUTPUT : BARS      | • CLOCK : OFF       |
| • GAIN : 0dB         | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET | • MATRIX : OFF      |
| • SHUTTER : OFF      | • ATW : OFF         |
| • ZEBRA MARKER : OFF | • A IRIS MODE : STD |
| • PHASE : 0°         | • PHASE : 0°        |

|  |   |   |  |  |
|--|---|---|--|--|
| ① CN1-pin B11/B12/B13<br>B/G/R PR VIDEO<br><br>A = 1.7 Vp-p (H) | ② CN2-pin 8<br>R-Y<br><br>A = J: 838 mVp-p<br>UC: 776 mVp-p<br>EK: 582 mVp-p             | ③ CN2-pin 7<br>B-Y<br><br>A = J: 838 mVp-p<br>UC: 776 mVp-p<br>EK: 582 mVp-p             | ④ CN2-pin 1<br>BF<br><br>4.55 Vp-p (H)                     | ⑤ CN2-pin 2<br>Q/U VIDEO<br><br>4.55 Vp-p (H)               |
| ⑥ CN2-pin 3<br>I/V VIDEO<br><br>4.55 Vp-p (H)                 | ⑦ CN1-pin A19<br>CHROMA<br><br>A = 670 mVp-p (H)                                       | ⑧ CN1-pin A21<br>VBS VIDEO (NTSC)<br><br>A = 2.0 Vp-p (H)                              | ⑨ CN1-pin A21<br>VBS VIDEO (PAL)<br><br>A = 2.0 Vp-p (H) | ⑩ CN2-pin 21<br>CHROMA<br><br>A = 670 mVp-p (H)           |
| ⑪ CN1-pin A24<br>SYNC<br><br>5.0 Vp-p (H)                     | ⑫ CN1-pin A17<br>Y VIDEO (NTSC)<br><br>A = 1.0 Vp-p (H)                                | ⑬ CN1-pin A17<br>Y VIDEO (PAL)<br><br>A = 1.0 Vp-p (H)                                 | ⑭ CN1-pin A10<br>B VIDEO (NTSC)<br><br>A = 1.52 Vp-p (H) | ⑮ CN1-pin A10<br>B VIDEO (PAL)<br><br>A = 1.52 Vp-p (H)   |
| ⑯ CN1-pin A11<br>G VIDEO (NTSC)<br><br>A = 1.52 Vp-p (H)      | ⑯ CN1-pin A11<br>G VIDEO (PAL)<br><br>A = 1.52 Vp-p (H)                                | ⑰ CN1-pin A12<br>R VIDEO (NTSC)<br><br>A = 1.52 Vp-p (H)                               | ⑱ CN1-pin A12<br>R VIDEO (PAL)<br><br>A = 1.52 Vp-p (H)  | ⑲ CN1-pin A14<br>G/Y VIDEO (NTSC)<br><br>A = 1.0 Vp-p (H) |
| ⑳ CN1-pin A14<br>G/Y VIDEO (PAL)<br><br>A = 1.0 Vp-p (H)      | ㉑ CN1-pin A15<br>R/R-Y VIDEO<br><br>A = J: 756 mVp-p<br>UC: 700 mVp-p<br>EK: 525 mVp-p | ㉒ CN1-pin A13<br>B/B-Y VIDEO<br><br>A = J: 756 mVp-p<br>UC: 700 mVp-p<br>EK: 525 mVp-p | ㉓ CN1-pin A30<br>VF VIDEO (NTSC)<br><br>A = 1.0 Vp-p (H) | ㉔ CN1-pin A30<br>VF VIDEO (PAL)<br><br>A = 1.0 Vp-p (H)   |

DXC-637 (J)  
DXC-637 (U)  
DXC-637P (E)

EN-122

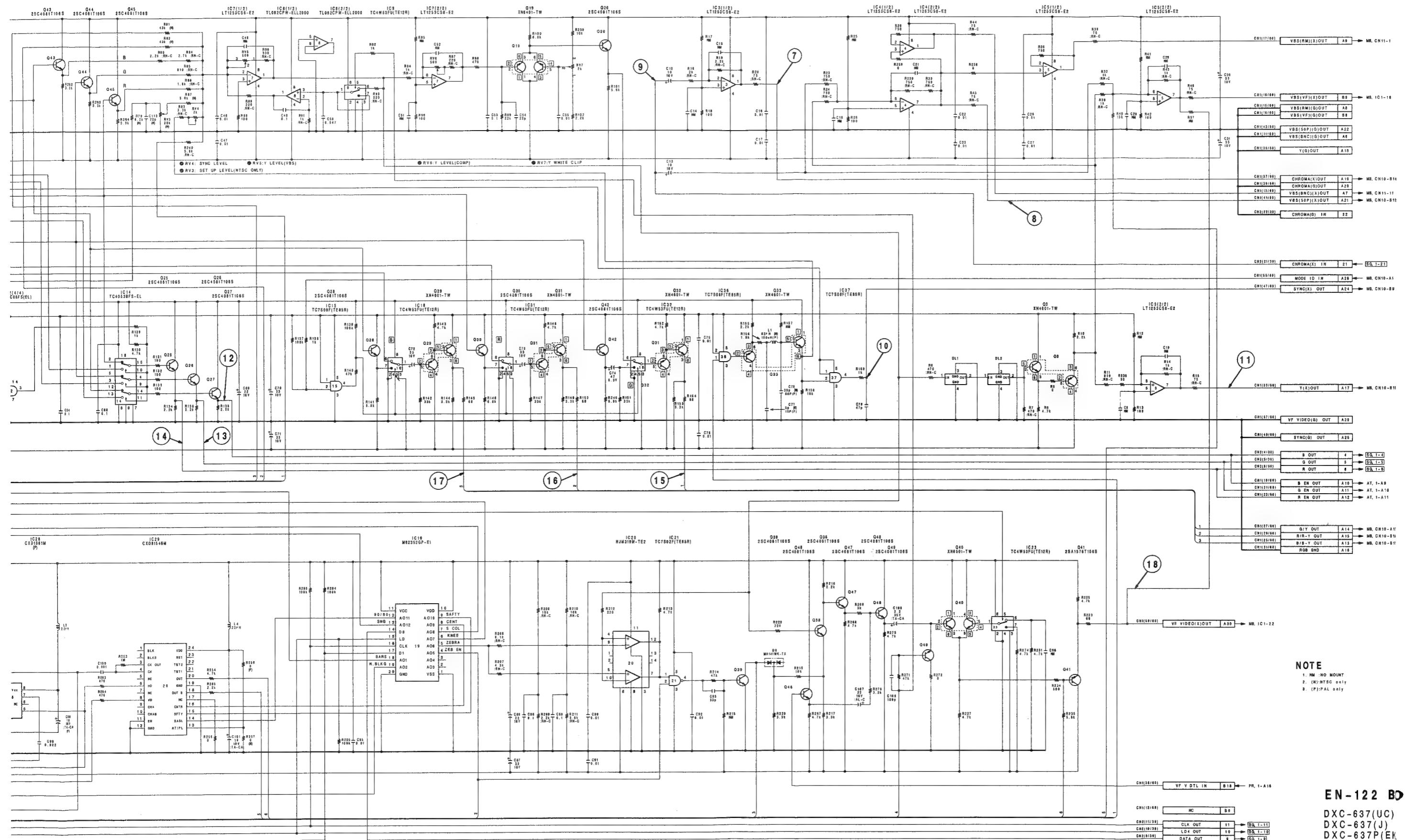


DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

A

2

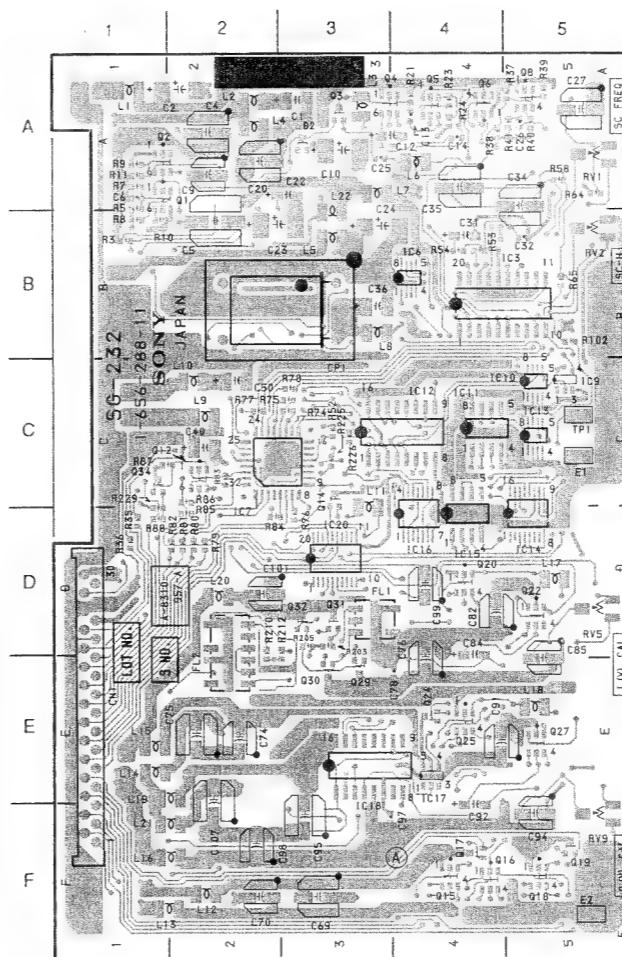
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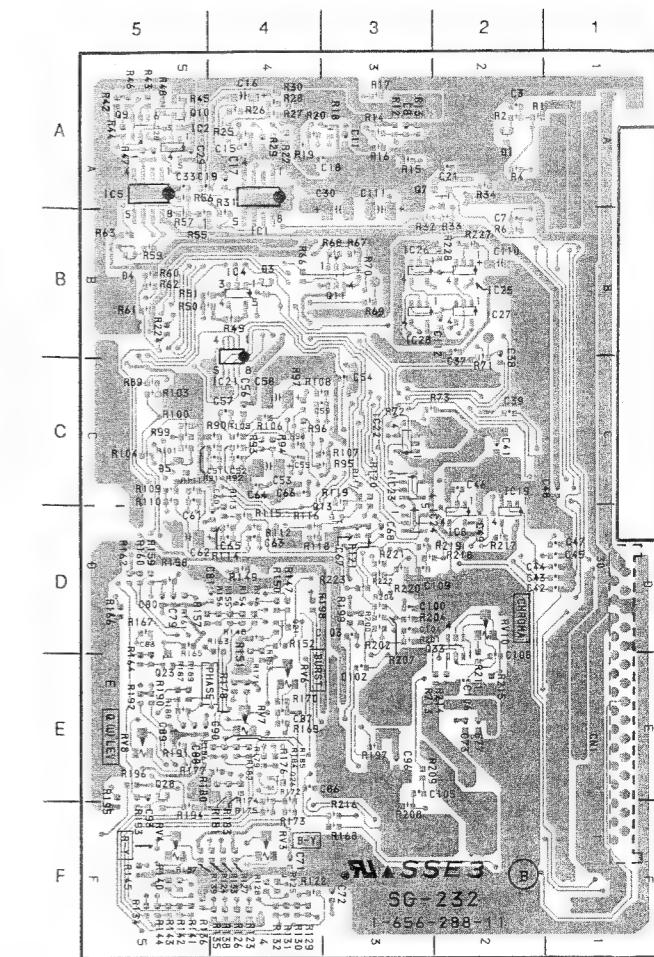
## NOTE

EN-122 BOARD  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)  
R-970 XC637-EN122-14

## SG-232 BOARD



1-656-288-11 COMPONENT SIDE



1-656-288-11 SOLDERING SIDE

## SG-232 (1-656-288-11)

\*: B SIDE

|      |     |       |     |       |     |      |     |      |     |       |     |
|------|-----|-------|-----|-------|-----|------|-----|------|-----|-------|-----|
| CN1  | E-1 | *IC5  | A-5 | *IC25 | B-2 | L16  | F-1 | *Q13 | D-3 | *Q33  | D-3 |
|      |     | IC6   | B-4 | *IC26 | B-3 | L17  | D-5 | Q14  | C-3 | Q34   | C-1 |
| CP1  | C-3 | IC7   | D-2 | *IC27 | B-2 | L18  | E-5 | Q15  | F-4 |       |     |
|      |     | *IC8  | D-2 | *IC28 | B-3 | L19  | E-1 | Q16  | F-4 | RV1   | A-5 |
| *D1  | A-2 | IC9   | C-5 |       |     | L20  | D-2 | Q17  | F-4 | RV2   | B-5 |
| D2   | A-3 | IC10  | C-4 | L1    | A-1 | L21  | F-1 | Q18  | F-5 | *RV3  | F-4 |
| *D3  | B-4 | IC11  | C-4 | L2    | A-2 | L22  | A-3 | Q19  | F-5 | *RV4  | F-5 |
| *D4  | B-5 | IC12  | C-4 | L3    | A-3 |      |     | Q20  | D-4 | RV5   | D-5 |
| *D5  | C-5 | IC13  | C-5 | L4    | A-2 | Q1   | A-2 | *Q21 | D-4 | *RV6  | E-4 |
|      |     | IC14  | D-5 | L5    | B-3 | Q2   | A-1 | Q22  | D-5 | *RV7  | E-4 |
| E1   | C-5 | IC15  | D-4 | L6    | A-4 | Q3   | A-3 | *Q23 | E-5 | *RV8  | E-5 |
| E2   | F-5 | IC16  | D-4 | L7    | A-4 | Q4   | A-4 | Q24  | E-4 | RV9   | F-5 |
|      |     | IC17  | E-4 | L8    | B-3 | Q5   | A-4 | Q25  | E-4 | *RV10 | D-2 |
| FL1  | D-3 | IC18  | F-3 | L9    | C-2 | Q6   | A-4 | *Q26 | E-4 |       |     |
| FL2  | E-2 | *IC19 | C-2 | L10   | C-2 | *Q7  | A-3 | Q27  | E-5 | TP1   | C-5 |
|      |     | IC20  | D-3 | L11   | C-3 | Q8   | A-5 | *Q28 | E-5 |       |     |
| *IC1 | B-4 | *IC21 | C-4 | L12   | F-2 | *Q9  | A-5 | Q29  | E-3 |       |     |
| *IC2 | A-5 | *IC22 | C-3 | L13   | F-2 | *Q10 | A-5 | Q30  | E-3 |       |     |
| IC3  | B-5 | *IC23 | C-3 | L14   | E-1 | *Q11 | B-3 | Q31  | D-3 |       |     |
| *IC4 | B-4 | *IC24 | D-3 | L15   | E-1 | Q12  | C-1 | Q32  | D-3 |       |     |

## SG-232 SYNC GENERATOR

## 注意：

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。

## • SWITCH POSITION

|                      |                     |
|----------------------|---------------------|
| • OUTPUT : BARS      | • CLOCK : OFF       |
| • GAIN : 0dB         | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET | • MATRIX : OFF      |
| • SHUTTER : OFF      | • ATW : OFF         |
| • ZEBRA MARKER : OFF | • A IRIS MODE : STD |
| • PHASE : 0°         |                     |

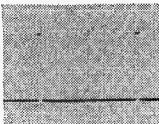
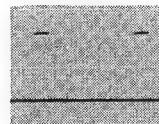
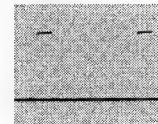
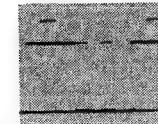
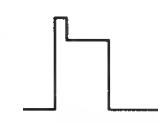
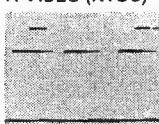
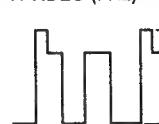
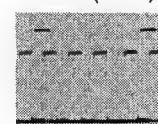
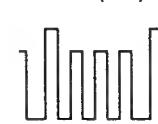
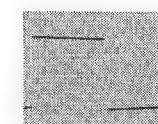
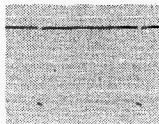
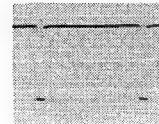
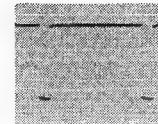
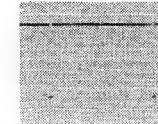
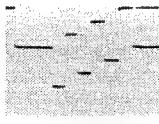
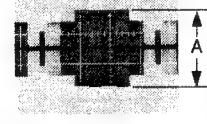
## NOTE:

1. All waveforms are measured in condition below.

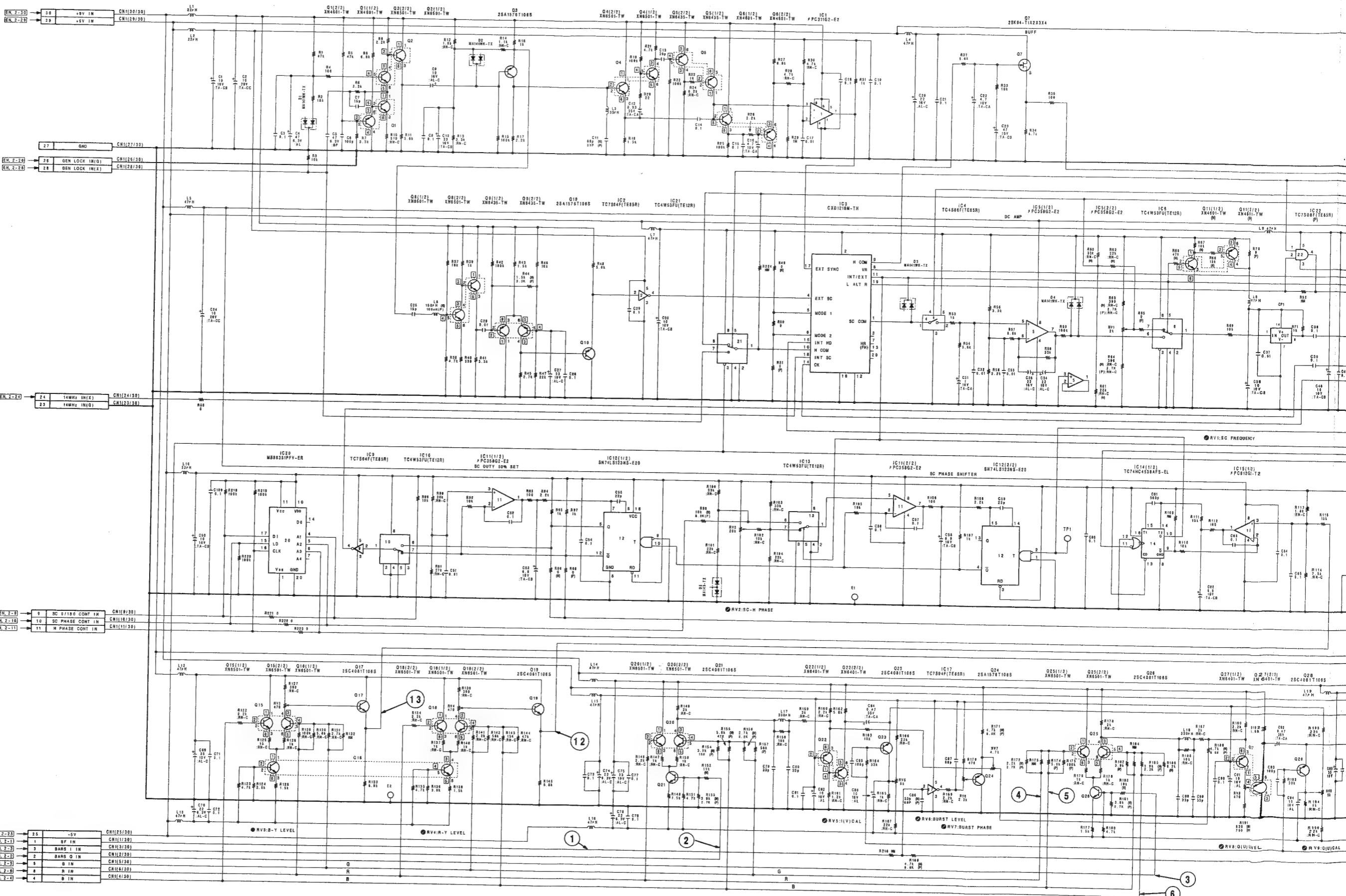
- Connect the camera adaptor CA-537/537P to the camera.

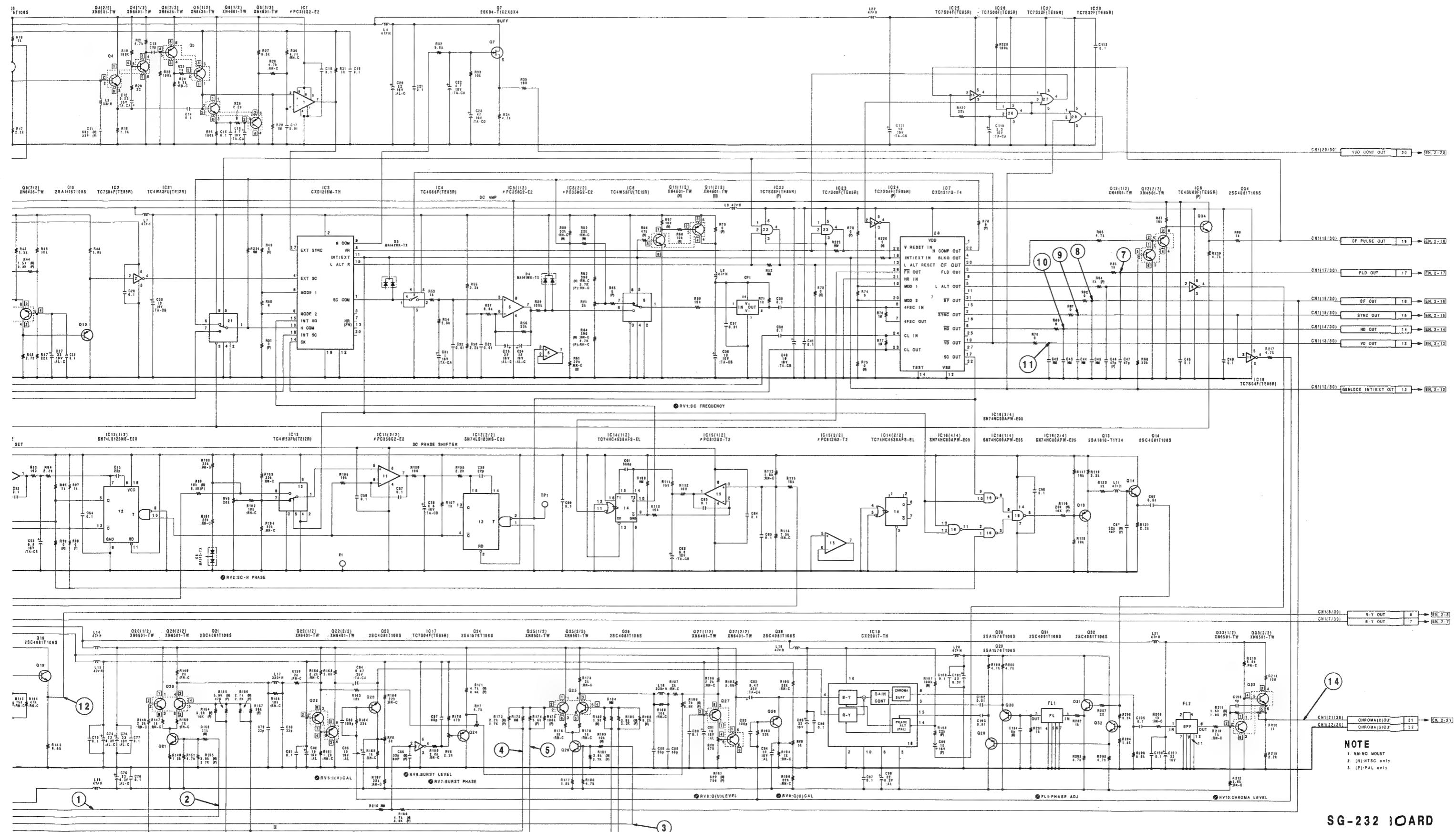
## • SWITCH POSITION

|                      |                     |
|----------------------|---------------------|
| • OUTPUT : BARS      | • CLOCK : OFF       |
| • GAIN : 0dB         | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET | • MATRIX : OFF      |
| • SHUTTER : OFF      | • ATW : OFF         |
| • ZEBRA MARKER : OFF | • A IRIS MODE : STD |
| • PHASE : 0°         |                     |

|   |   |   |  |   |
|---|---|---|--|---|
| ① CN1-pin1<br>BF  | ② CN1-pin 3<br>I/V VIDEO  | ③ CN1-pin 2<br>Q/U VIDEO  | ④ CN1-pin 5<br>G VIDEO (NTSC)  | ④ CN1-pin 5<br>G VIDEO (PAL)  |
|    |    |    |    |    |
| 4.55 Vp-p (H)   | 4.55 Vp-p (H)   | 4.55 Vp-p (H)   | A = 1.52 Vp-p (H)  | A = 1.52 Vp-p (H)   |
| ⑤ CN1-pin 6<br>R VIDEO (NTSC)   | ⑤ CN1-pin 6<br>R VIDEO (PAL)  | ⑥ CN1-pin 4<br>B VIDEO (NTSC)   | ⑥ CN1-pin 4<br>B VIDEO (PAL)   | ⑦ CN1-pin 17<br>FLD   |
|  |  |  |  |  |
| A = 1.52 Vp-p (H)  | 4.84 Vp-p (V)   |
| ⑧ CN1-pin 16<br>BF  | ⑨ CN1-pin 15<br>SYNC  | ⑩ CN1-pin 14<br>HD  | ⑪ CN1-pin 13<br>VD   | ⑫ CN1-pin 8<br>R-Y  |
|  |  |  |  |  |
| 4.86 Vp-p (H)   | 4.88 Vp-p (H)   | 4.86 Vp-p (H)   | 4.92 Vp-p (H)  | A = J:838 mVp-p<br>UC:776 mVp-p<br>EK:582 mVp-p                                       |
| ⑬ CN1-pin 7<br>B-Y  | ⑭ CN1-pin 21<br>CHROMA  |   |  |   |
|  |  |   |  |   |
| A = J:838 mVp-p<br>UC:776 mVp-p<br>EK:582 mVp-p                                     | A = 670 mVp-p   |   |  |   |

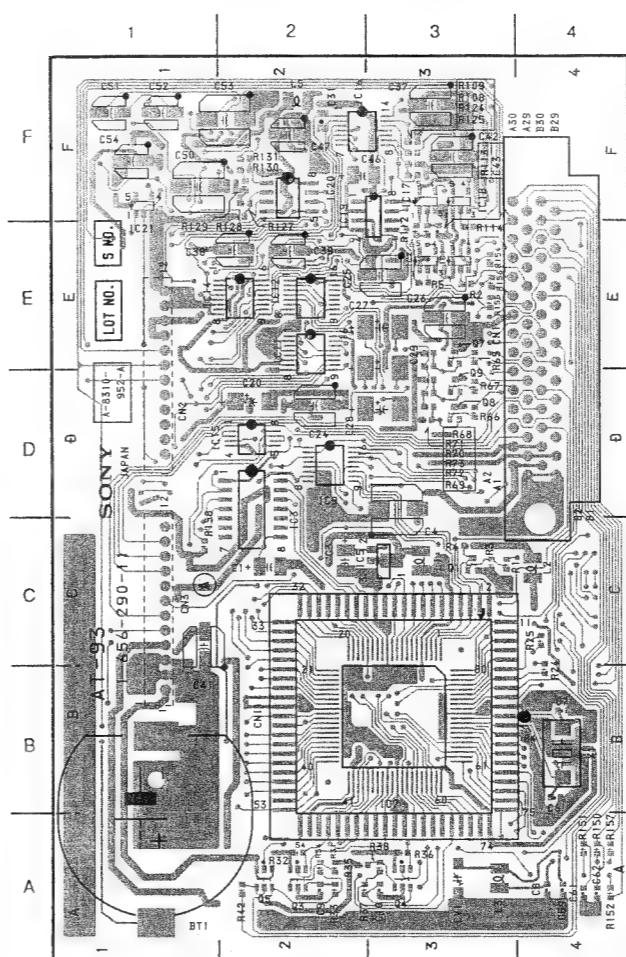
SG-232



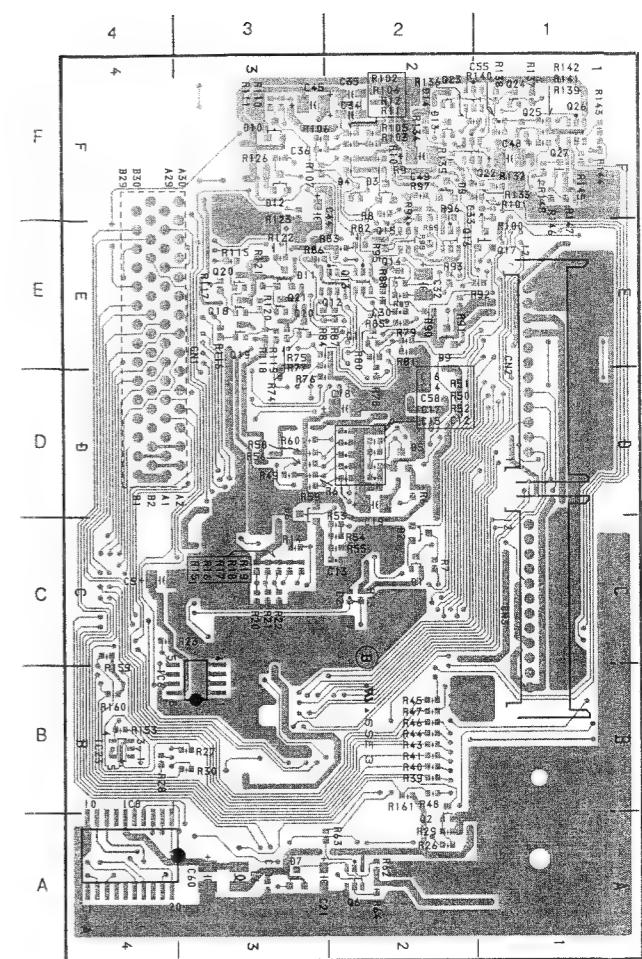


**SG-232 BOARD**  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)  
B-YDXC637-S0232/14

## AT-93 BOARD



1-656-290-11 COMPONENT SIDE



1-656-290-11 SOLDERING SIDE

## AT-93 (1-656-290-11)

\*: B SIDE

|      |     |      |     |      |     |      |     |
|------|-----|------|-----|------|-----|------|-----|
| BT1  | A-1 | *D13 | F-2 | IC21 | E-1 | *Q13 | E-2 |
|      |     | *D14 | F-2 |      |     | *Q14 | E-2 |
| CN1  | E-3 |      |     | L1   | C-3 | *Q15 | E-2 |
| *CN2 | E-1 | IC1  | E-3 | L2   | C-4 | *Q16 | E-2 |
| *CN3 | C-1 | IC2  | E-3 | L3   | A-3 | *Q17 | E-1 |
|      |     | IC3  | C-2 | L5   | F-2 | *Q18 | E-3 |
| CV1  | A-3 | IC5  | C-2 | *L6  | A-3 | *Q19 | E-3 |
|      |     | *IC6 | B-4 |      |     | *Q20 | E-3 |
| *D1  | C-2 | IC7  | B-3 | Q1   | C-3 | *Q21 | E-3 |
| *D2  | C-2 | *IC8 | B-4 | *Q2  | A-2 | *Q22 | F-1 |
| *D3  | F-2 | IC9  | D-2 | Q3   | A-2 | *Q23 | F-2 |
| *D4  | F-2 | IC11 | E-2 | Q4   | A-3 | *Q24 | F-1 |
| *D5  | D-2 | IC12 | E-2 | Q5   | A-2 | *Q25 | F-1 |
| *D6  | D-3 | IC14 | E-1 | *Q6  | A-2 | *Q26 | F-1 |
| *D7  | A-3 | IC15 | D-1 | Q7   | E-3 | *Q27 | F-1 |
| *D8  | F-2 | IC16 | F-2 | Q8   | D-3 |      |     |
| *D9  | E-2 | IC17 | F-3 | Q9   | D-3 | X1   | B-4 |
| *D10 | F-3 | IC18 | F-3 | *Q10 | E-3 |      |     |
| *D11 | E-3 | IC19 | E-2 | *Q11 | E-2 |      |     |
| *D12 | F-3 | IC20 | F-2 | *Q12 | E-2 |      |     |

## AT-93 SYSTEM CONTROL

### 注意：

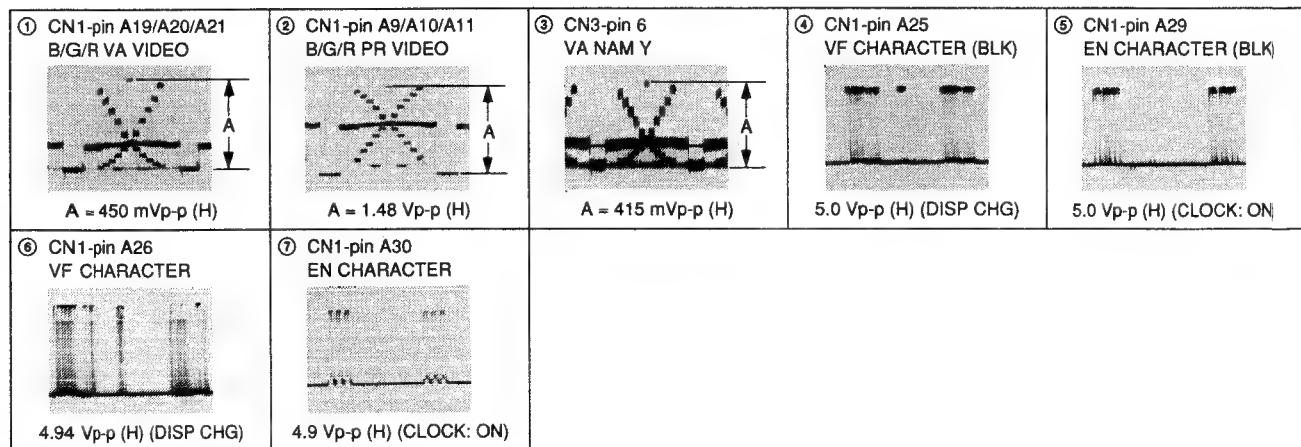
1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮像し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- DISP CHGスイッチ／カメラ側面を押し下げて、ビューファインダー画面をステータス表示画面にします。
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF)
  - GAIN : 0dB
  - WHITE BAL : PRESET
  - SHUTTER : OFF
  - ZEBRA MARKER : OFF
  - PHASE : 0°
  - CLOCK : OFF
  - HYPER GAIN : OFF
  - MATRIX : OFF
  - ATW : OFF
  - A IRIS MODE : STD

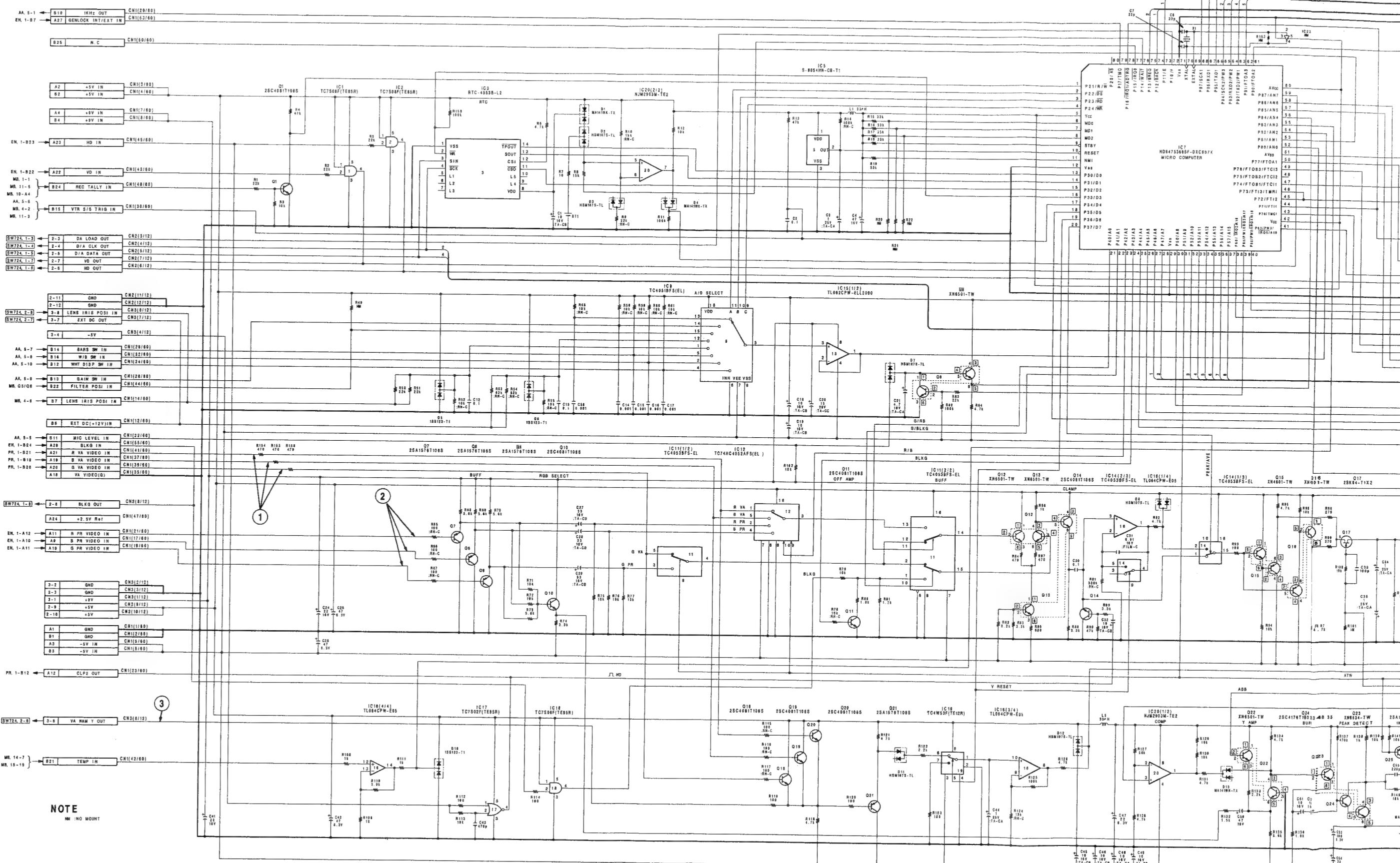
### NOTE:

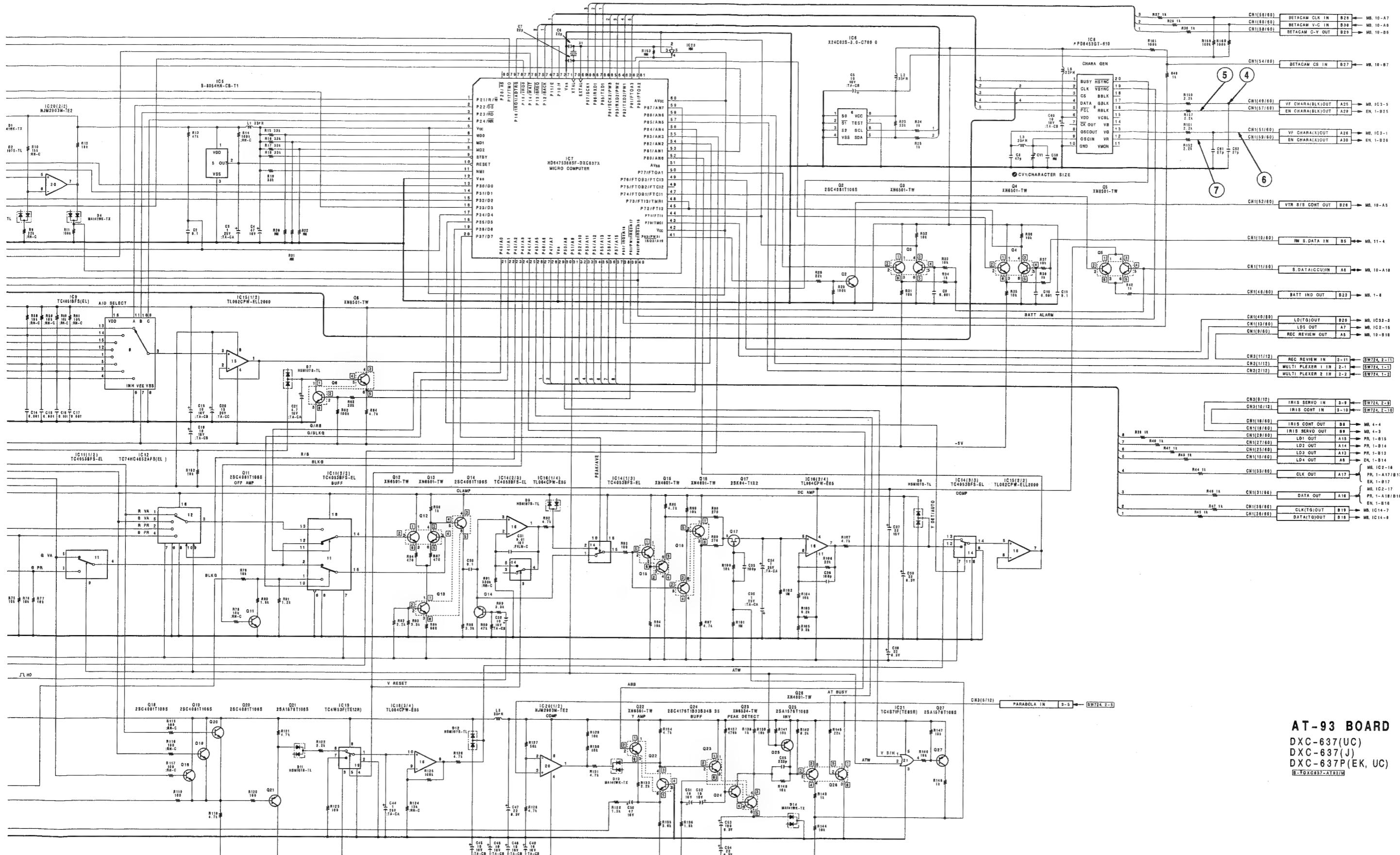
1. All waveforms are measured in condition below.

- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.
- Press the DISP CHG switch on the camera side panel so that the menu display appears on the viewfinder screen.
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF)
  - GAIN : 0dB
  - WHITE BAL : PRESET
  - SHUTTER : OFF
  - ZEBRA MARKER : OFF
  - PHASE : 0°
  - CLOCK : OFF
  - HYPER GAIN : OFF
  - MATRIX : OFF
  - ATW : OFF
  - A IRIS MODE : STD

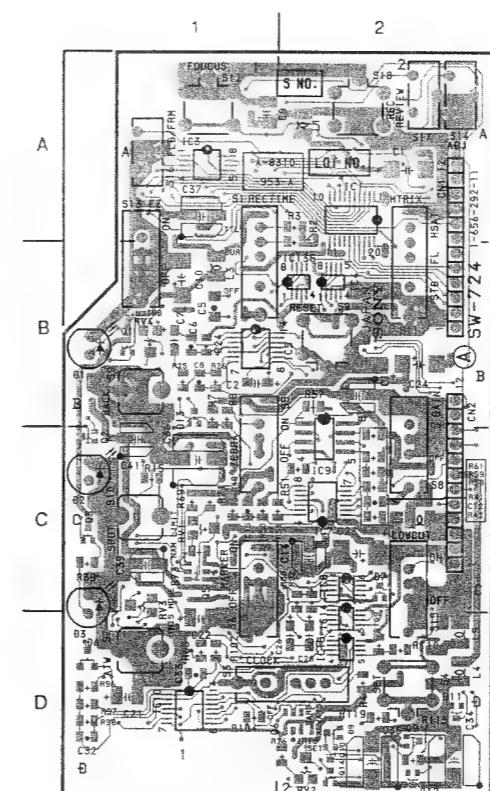


AT-93

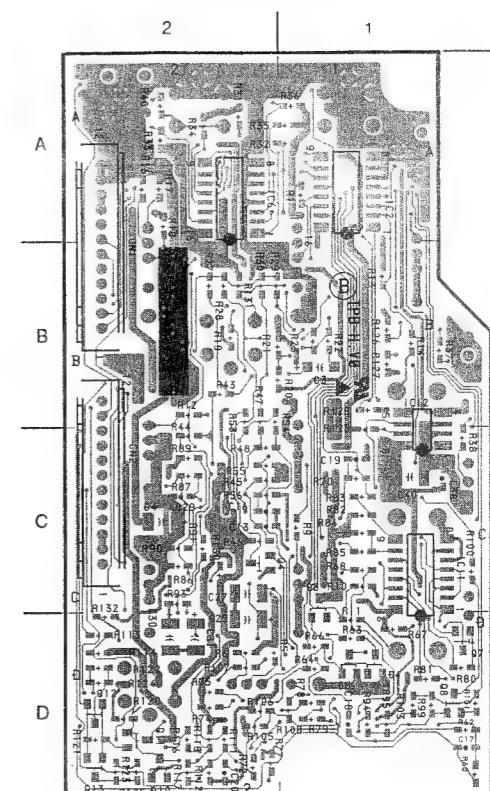




## SW-724 BOARD



1-656-292-11 COMPONENT SIDE



1-656-292-11 SOLDERING SIDE

## SW-724 (1-656-292-11)

\*: B SIDE

|      |     |       |     |     |     |
|------|-----|-------|-----|-----|-----|
| *CN1 | A-2 | *IC11 | C-1 | RV2 | D-2 |
| *CN2 | C-2 | *IC12 | B-1 | RV3 | D-1 |
|      |     | IC13  | B-2 | RV4 | B-1 |
| D1   | B-1 | IC14  | D-2 |     |     |
| D2   | C-1 | IC15  | D-2 | S1  | A-1 |
| D3   | D-1 |       |     | S2  | B-2 |
| *D4  | D-1 | L1    | A-2 | S3  | D-1 |
| *D5  | D-1 | L2    | C-2 | S4  | D-2 |
| D6   | D-1 | L3    | B-1 | S5  | B-2 |
| D7   | C-2 | L4    | D-2 | S6  | D-1 |
| *D8  | C-1 | L5    | D-2 | S7  | D-1 |
| D9   | D-2 |       |     | S8  | C-2 |
| *D10 | D-2 | Q1    | B-1 | S9  | B-1 |
| D11  | D-2 | Q2    | C-1 | S10 | C-1 |
| D12  | D-2 | Q3    | C-1 | S11 | B-2 |
| D13  | B-1 | *Q4   | C-1 | S12 | A-1 |
|      |     | Q5    | C-1 | S13 | A-1 |
| IC1  | A-2 | Q6    | D-1 | S14 | A-2 |
| *IC2 | A-1 | *Q7   | D-1 | S15 | D-2 |
| IC3  | A-1 | *Q8   | D-1 | S16 | A-1 |
| IC4  | B-2 | Q9    | D-2 | S18 | A-2 |
| IC5  | B-2 | Q10   | D-2 |     |     |
| *IC6 | A-2 | *Q11  | D-2 |     |     |
| IC7  | C-2 | *Q12  | D-2 |     |     |
| IC8  | C-2 | *Q13  | D-2 |     |     |
| IC9  | C-2 |       |     |     |     |
| IC10 | D-1 | RV1   | C-1 |     |     |

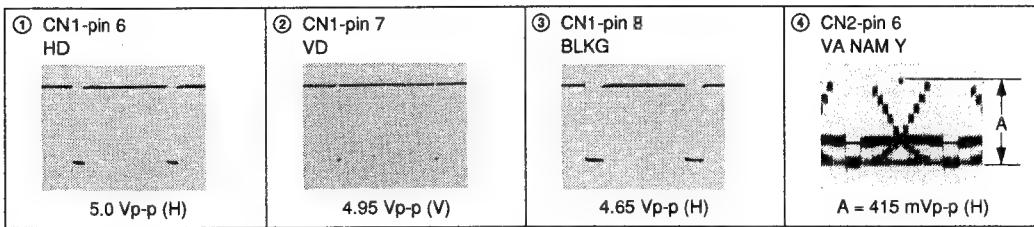
## SW-724 SWITCH PANEL

## 注意：

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮像し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- SWITCH POSITION
 

|                         |                     |
|-------------------------|---------------------|
| • OUTPUT : CAM(DCC OFF) | • CLOCK : OFF       |
| • GAIN : 0dB            | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET    | • MATRIX : OFF      |
| • SHUTTER : OFF         | • ATW : OFF         |
| • ZEBRA MARKER : OFF    | • A IRIS MODE : STD |
| • PHASE : 0°            |                     |



## SW-724

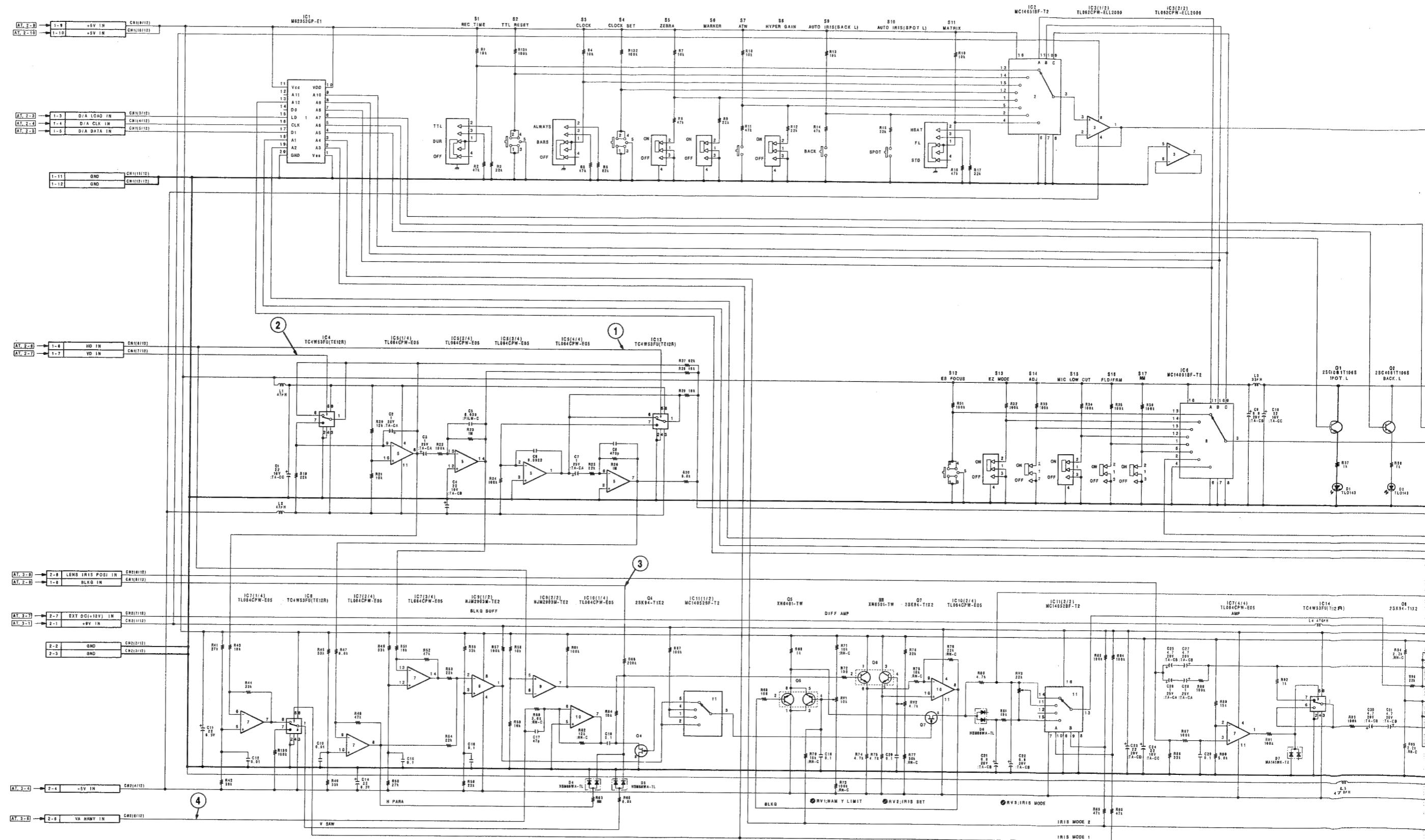
## NOTE:

1. All waveforms are measured in condition below.

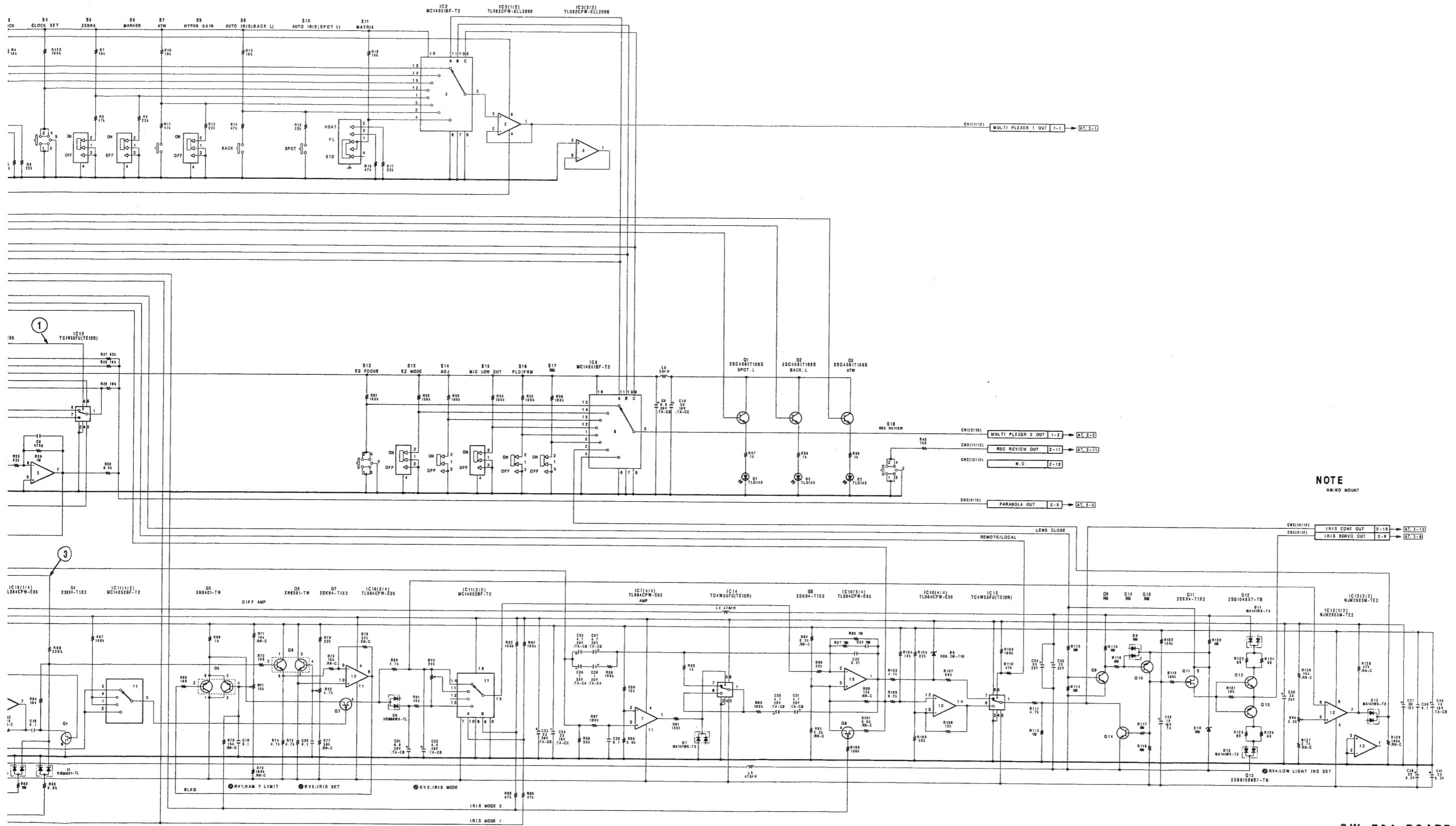
- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.

## • SWITCH POSITION

|                         |                     |
|-------------------------|---------------------|
| • OUTPUT : CAM(DCC OFF) | • CLOCK : OFF       |
| • GAIN : 0dB            | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET    | • MATRIX : OFF      |
| • SHUTTER : OFF         | • ATW : OFF         |
| • ZEBRA MARKER : OFF    | • A IRIS MODE : STD |
| • PHASE : 0°            |                     |



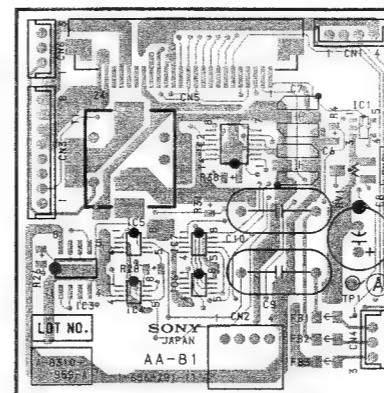
DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)



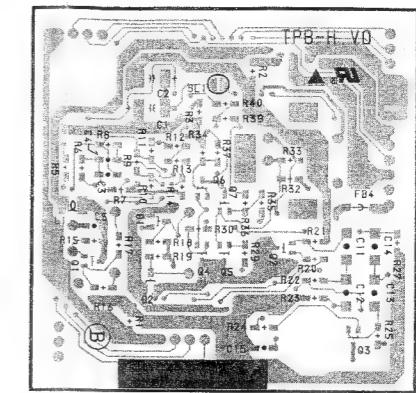
## SW-724 BOARD

DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)  
6-YDXC837-SW724M

## AA-81 BOARD



1-656-291-11 COMPONENT SIDE



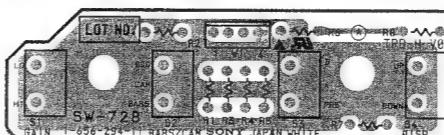
1-656-291-11 SOLDERING SIDE

## AA-81 (1-656-291-11)

\*: B SIDE

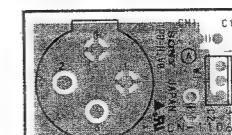
|     |     |      |     |     |     |     |     |     |     |    |     |
|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|----|-----|
| CN1 | A-2 | *D1  | B-2 | IC1 | A-2 | *L1 | B-2 | *Q6 | A-2 | T1 | A-1 |
| CN2 | B-2 | *D2  | B-2 | IC2 | A-2 |     |     | *Q7 | A-2 |    |     |
| CN3 | A-1 |      |     | IC3 | B-1 | *Q1 | B-2 |     |     |    |     |
| CN4 | B-2 | FB1  | B-2 | IC4 | B-1 | *Q2 | B-1 | RV1 | B-2 |    |     |
| CN5 | A-1 | FB2  | B-2 | IC5 | B-1 | *Q3 | B-1 |     |     |    |     |
| CN6 | A-1 | FB3  | B-2 | IC6 | B-1 | *Q4 | B-2 | TP1 | B-2 |    |     |
|     |     | *FB4 | B-1 | IC7 | B-1 | *Q5 | B-2 |     |     |    |     |

## SW-728 BOARD



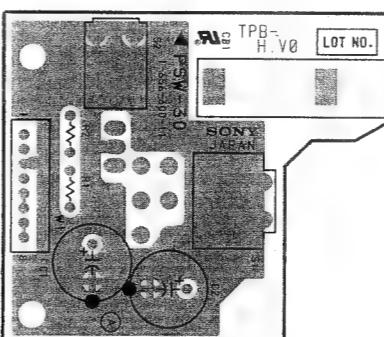
1-656-294-11 COMPONENT SIDE

## CN-1106 BOARD



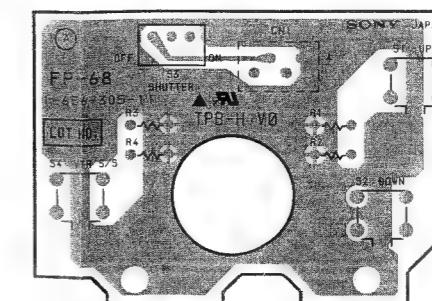
1-656-301-11 COMPONENT SIDE

## PSW-30 BOARD



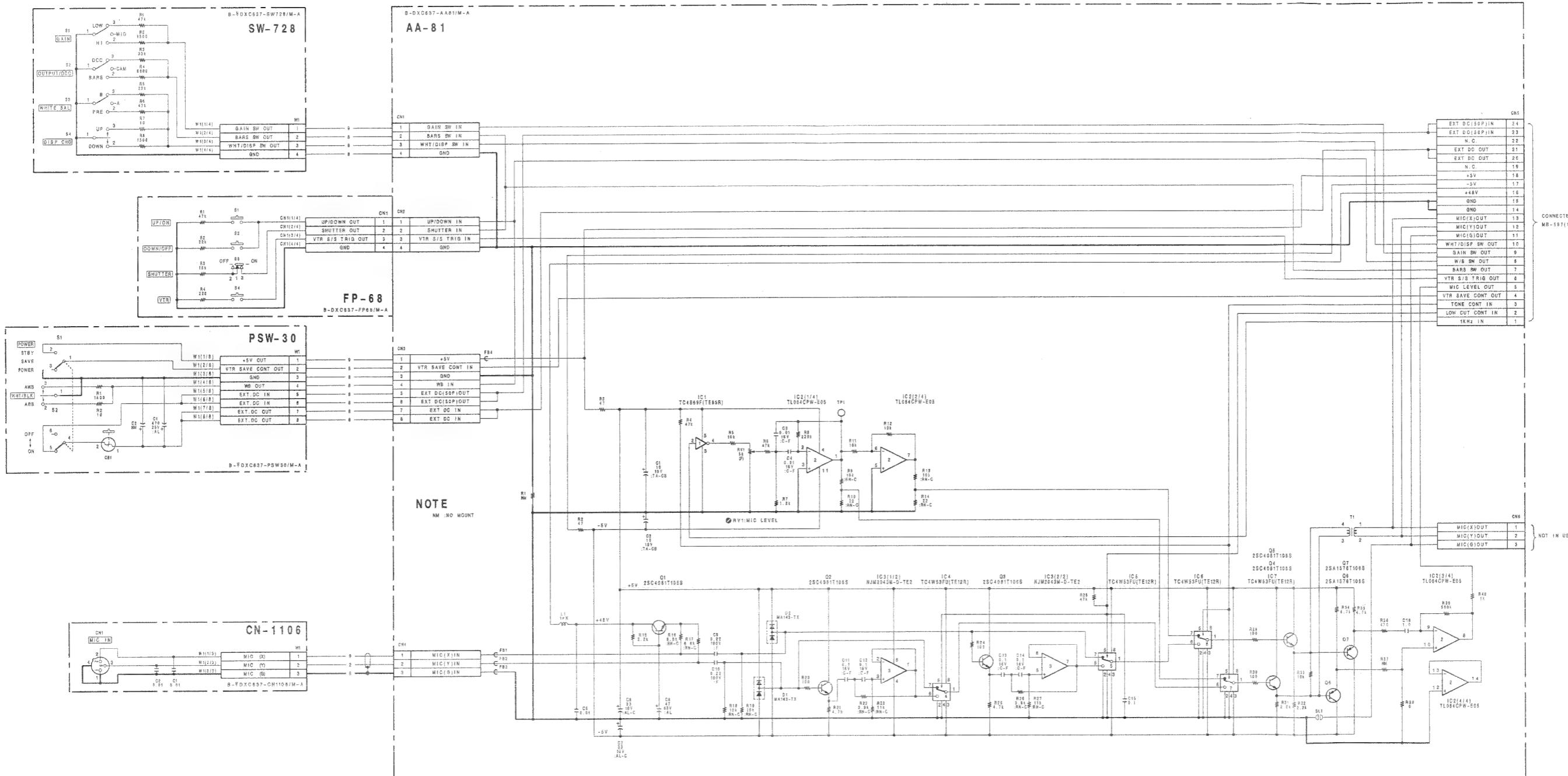
1-656-300-11 COMPONENT SIDE

## FP-68 BOARD



1-656-305-11 COMPONENT SIDE

AA-81  
CN-1106  
FP-68  
PSW-30  
SW-728



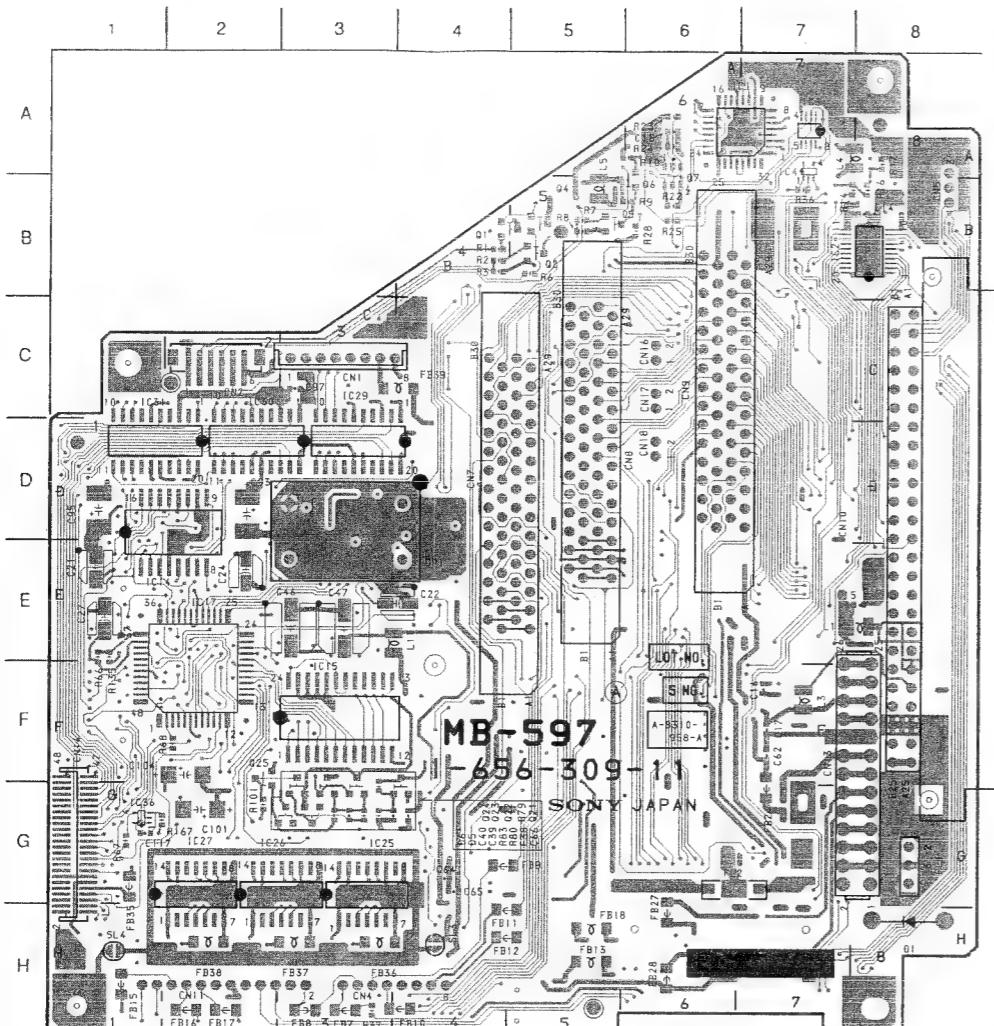
AA-81 BOARD  
FP-68 BOARD  
PSW-30 BOARD  
SW-728 BOARD  
CN-1106 BOARD

DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)

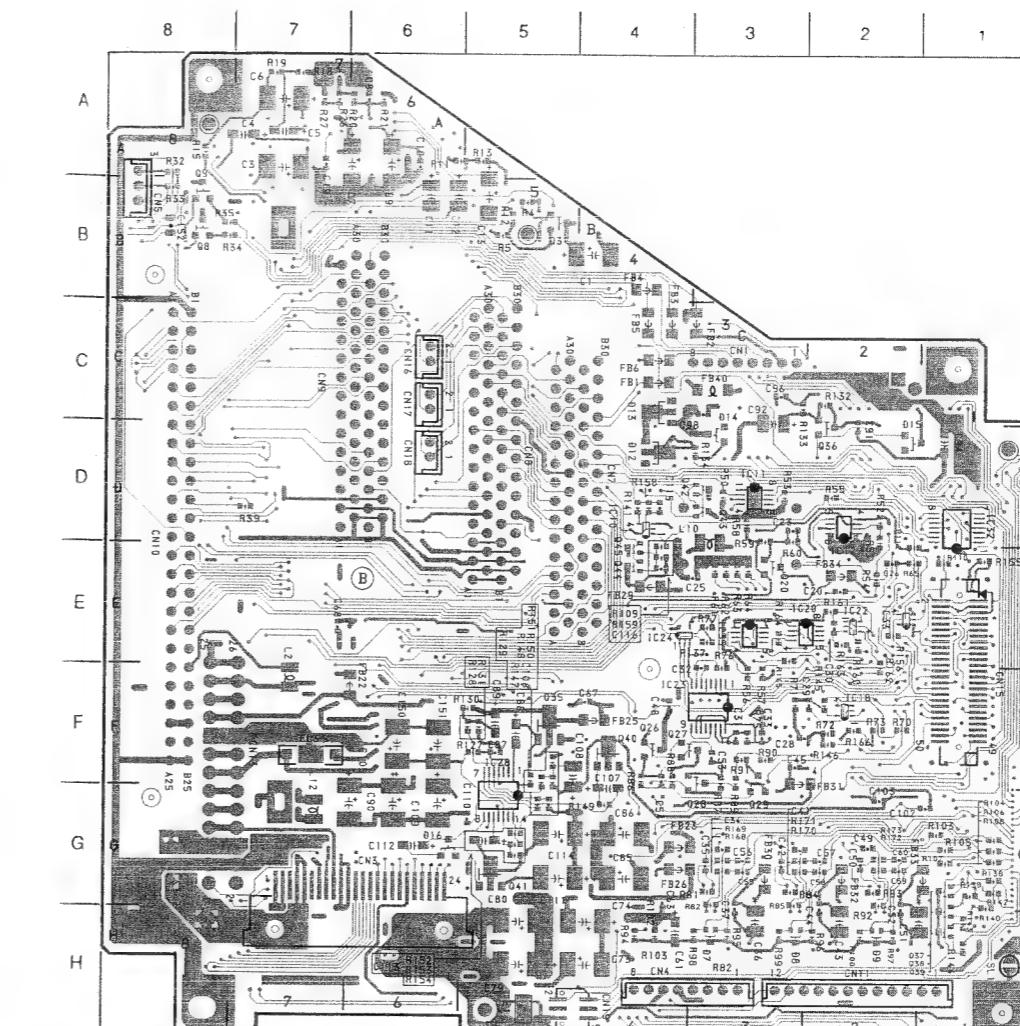
A-7DXC637-AA81/M  
B-7DXC637-AA81/M-A  
B-7DXC637-FF8E/M-A  
B-7DXC637-PSW30/M-A  
B-7DXC637-SW725/M-A  
B-7DXC637-CN1106/M-A

DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

MB-597 BOARD

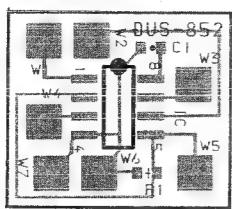


1-656-309-11 COMPONENT SIDE



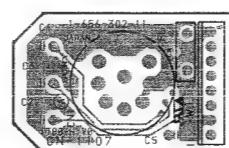
1-656-309-11 SOLDERING SIDE

DUS-852 BOARD



COMPONENT SIDE

CN-1107 BOARD



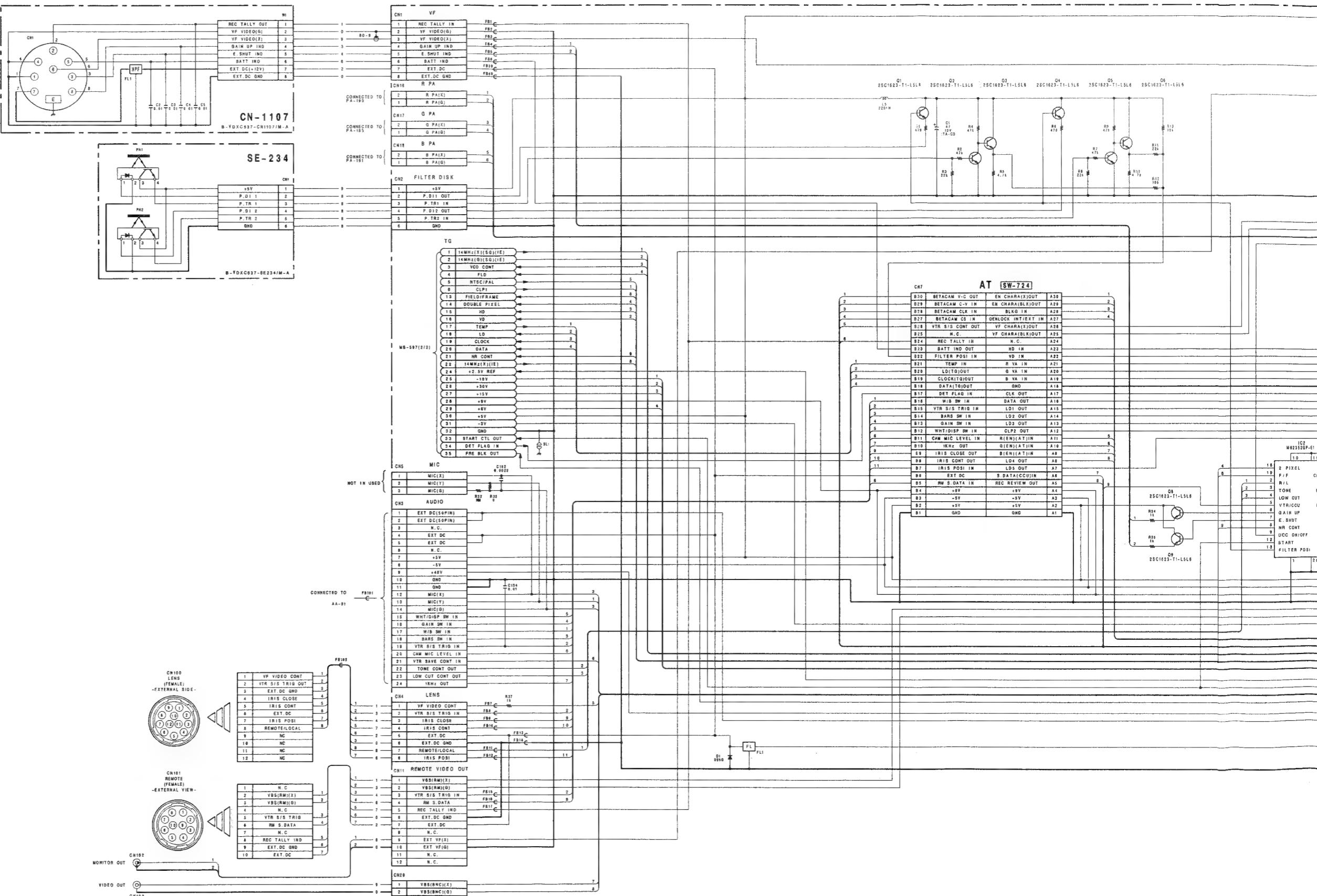
COMPONENT SIDE

MB-597 (1-656-309-11)

\*: B SIDE

|       |     |      |     |       |     |       |     |       |     |      |     |      |     |
|-------|-----|------|-----|-------|-----|-------|-----|-------|-----|------|-----|------|-----|
| CN1   | C-3 | D1   | H-8 | FB8   | H-3 | *FB33 | G-2 | IC17  | E-2 | L4   | A-7 | *Q26 | F-4 |
| CN2   | C-2 | D5   | G-4 | FB9   | G-5 | FB35  | H-1 | *IC18 | F-2 | L5   | B-5 | *Q27 | F-4 |
| *CN3  | G-6 | D6   | G-4 | FB10  | H-4 | FB36  | H-3 | *IC20 | E-3 | *L10 | D-4 | *Q28 | G-3 |
| *CN4  | H-4 | *D7  | E-3 | FB11  | G-5 | FB37  | H-3 | *IC22 | E-2 | L11  | E-4 | *Q29 | G-3 |
| *CN5  | B-8 | *D8  | H-3 | FB12  | H-5 | FB38  | H-2 | *IC23 | F-4 | *L12 | F-7 | *Q35 | F-5 |
| CN7   | D-4 | *D9  | H-2 | FB13  | H-5 | FB39  | C-4 | *IC24 | E-4 |      |     | *Q36 | D-2 |
| CN8   | D-6 | *D12 | D-4 | FB15  | H-1 | *FB40 | C-3 | IC25  | G-3 | Q1   | B-4 | *Q37 | H-2 |
| CN9   | C-6 | *D13 | C-4 | FB16  | H-2 |       |     | IC26  | G-2 | Q2   | B-5 | *Q38 | H-2 |
| CN10  | D-7 | *D14 | C-3 | FB17  | H-2 | FL1   | G-8 | IC27  | G-2 | *Q3  | B-5 | *Q39 | H-2 |
| *CN11 | H-2 | *D15 | C-2 | FB18  | H-5 | FL2   | G-6 | *IC28 | F-5 | Q4   | B-5 | *Q40 | F-4 |
| CN13  | F-7 | *D16 | G-6 | *FB22 | F-6 | *FL3  | F-7 | IC29  | C-3 | Q5   | B-5 | *Q41 | G-5 |
| CN14  | F-1 |      |     | *FB23 | G-4 |       |     | IC30  | C-2 | Q6   | B-6 | *Q42 | D-4 |
| *CN15 | F-1 | *E1  | H-5 | FB24  | G-7 | IC1   | A-6 | IC31  | C-1 | Q7   | B-6 | *Q43 | D-3 |
| *CN16 | C-6 |      |     | *FB25 | F-4 | IC2   | B-7 | *IC32 | D-1 | *Q8  | B-8 | *Q44 | E-4 |
| *CN17 | C-6 | *FB1 | C-4 | *FB26 | G-4 | IC3   | A-7 | *IC33 | E-2 | *Q9  | A-8 | *Q45 | D-5 |
| *CN18 | D-6 | *FB2 | C-3 | FB27  | H-6 | IC4   | A-7 | *IC35 | E-3 | *Q20 | E-3 |      |     |
| *CN19 | H-4 | *FB3 | B-4 | FB28  | H-6 | *IC10 | D-4 | IC36  | G-1 | Q21  | G-5 |      |     |
| *CN20 | E-7 | *FB4 | B-4 | *FB29 | E-4 | *IC11 | D-3 |       |     | Q22  | G-5 |      |     |
| CP1   | E-4 | *FB5 | C-4 | *FB30 | G-3 | *IC12 | E-2 | L1    | E-7 | Q23  | G-4 |      |     |
|       |     | *FB6 | C-4 | *FB31 | F-2 | IC14  | E-1 | *L2   | E-7 | Q24  | G-4 |      |     |
|       |     |      |     | FB7   | H-3 | *FB32 | G-2 | IC15  | F-3 | L3   | E-7 | Q25  | F-2 |

## FRAME(1/2)

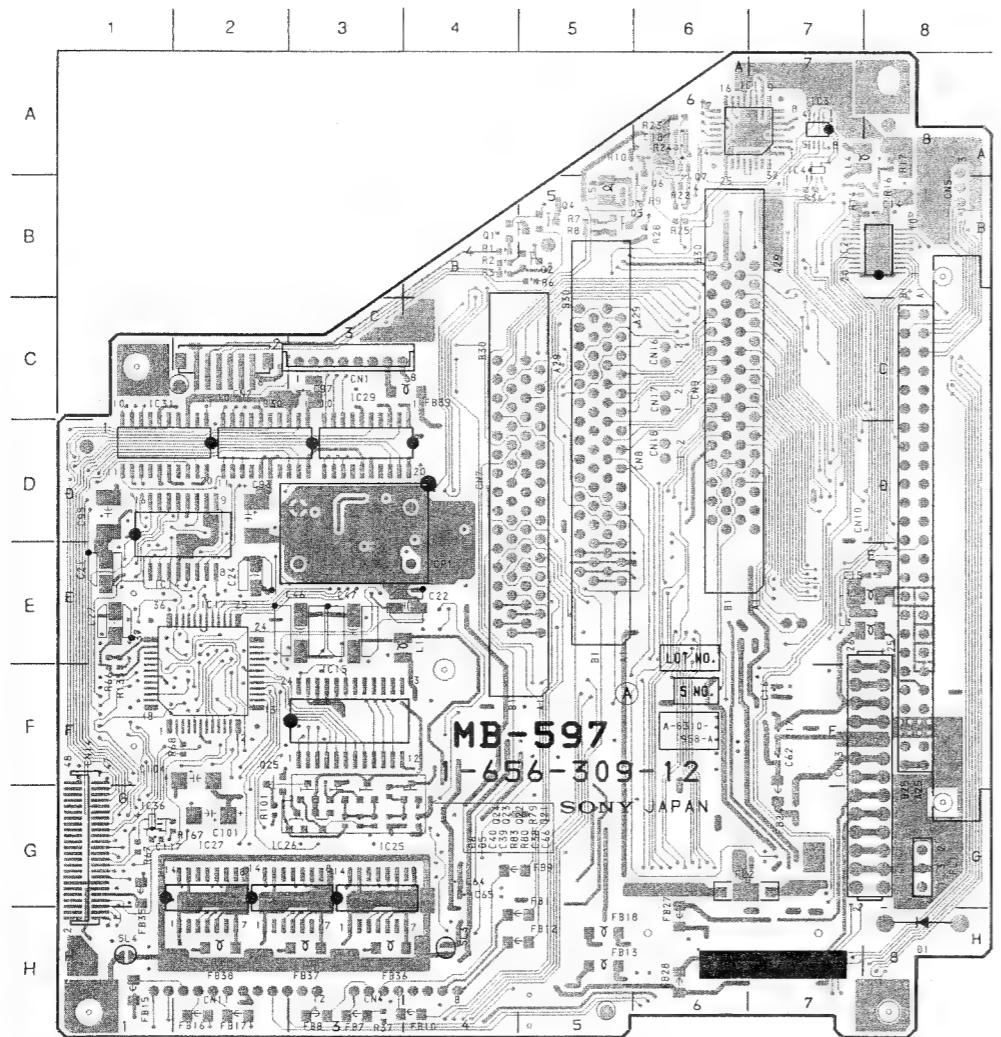


DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

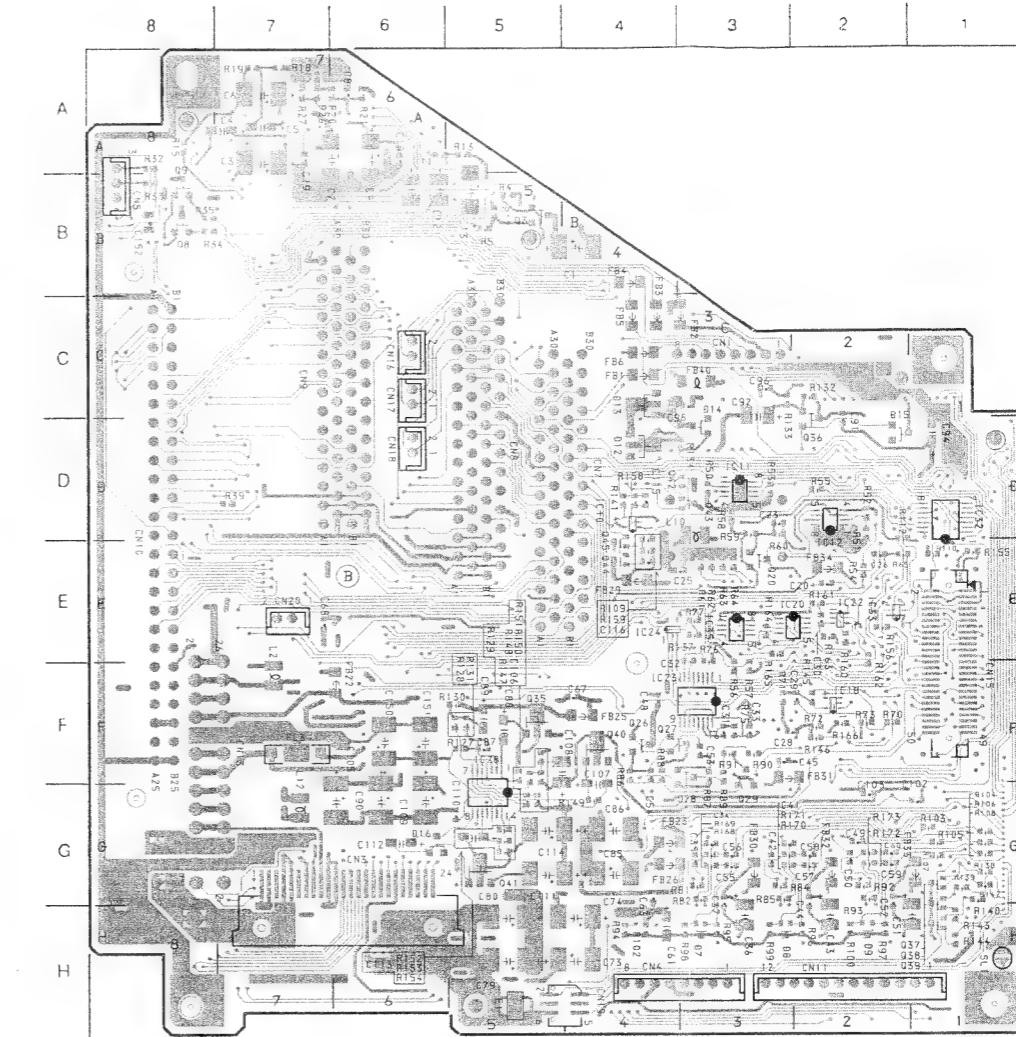


MB-597 BOARD

10101- DXC-637 (UC)  
30051- DXC-637 (J)  
40151- DXC637P (EK, UC)

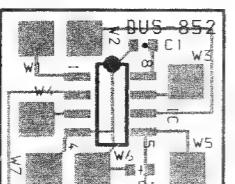


1-656-309-12 COMPONENT SIDE



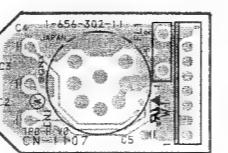
1-656-309-12 SOLDERING SIDE

DUS-852 BOARD



COMPONENT SIDE

CN-1107 BOARD



COMPONENT SIDE

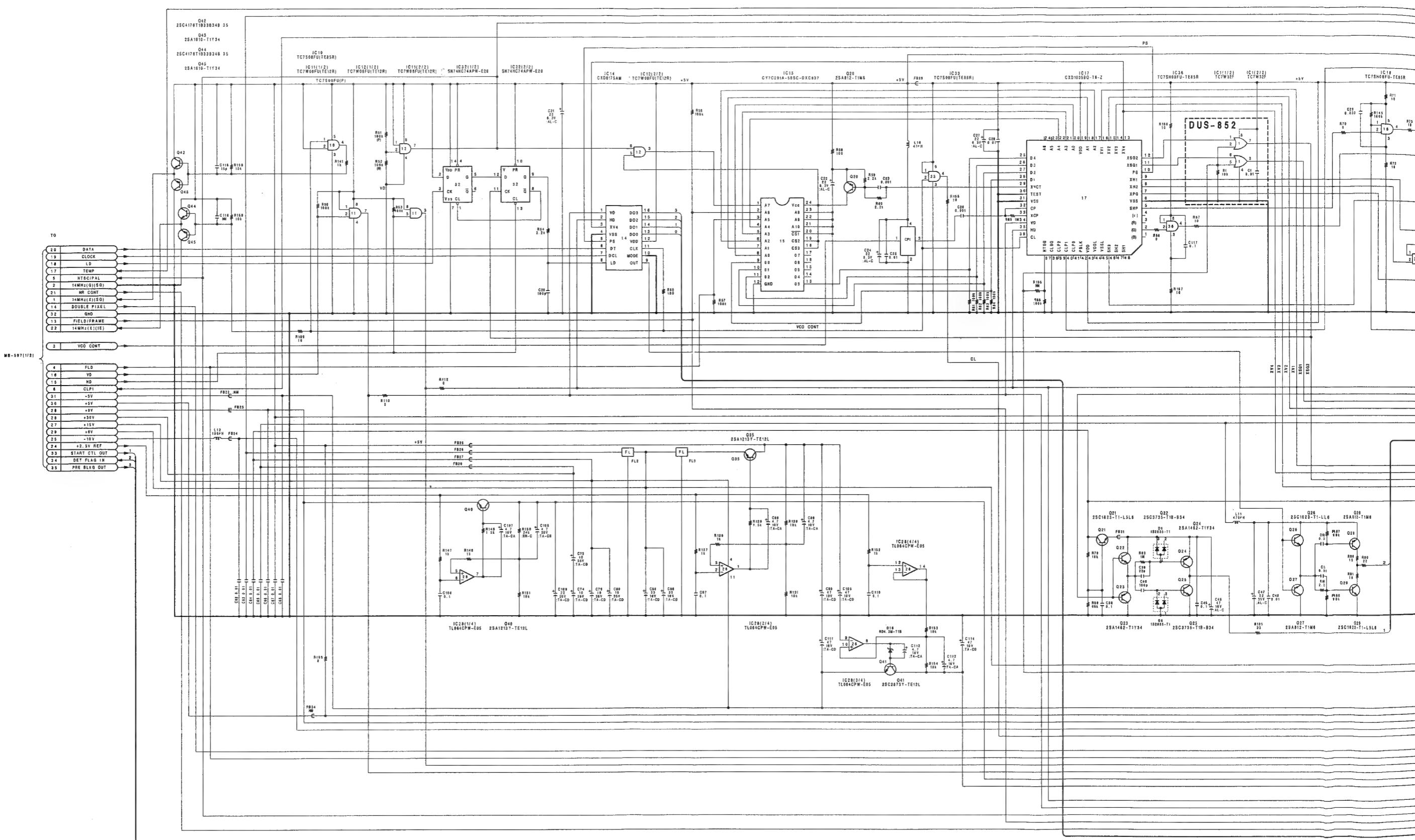
MB-597 (1-656-309-12)

\*: B SIDE

|       |     |      |     |       |     |       |     |       |     |      |     |      |     |
|-------|-----|------|-----|-------|-----|-------|-----|-------|-----|------|-----|------|-----|
| CN1   | C-3 | D1   | H-8 | F88   | H-3 | *FB33 | G-2 | IC17  | E-2 | L4   | A-7 | *Q26 | F-4 |
| CN2   | C-2 | D5   | G-4 | FB9   | G-5 | FB35  | H-1 | *IC18 | F-2 | L5   | B-5 | *Q27 | F-4 |
| *CN3  | G-6 | D6   | G-4 | FB10  | H-4 | FB36  | H-3 | *IC20 | E-3 | *L10 | D-4 | *Q28 | G-3 |
| *CN4  | H-4 | *D7  | E-3 | FB11  | G-5 | FB37  | H-3 | *IC22 | E-2 | L11  | E-4 | *Q29 | G-3 |
| *CN5  | B-8 | *D8  | H-3 | FB12  | H-5 | FB38  | H-2 | *IC23 | F-4 | *L12 | F-7 | *Q35 | F-5 |
| CN7   | D-4 | *D9  | H-2 | FB13  | H-5 | FB39  | C-4 | *IC24 | E-4 |      |     | *Q36 | D-2 |
| CN8   | D-6 | *D12 | D-4 | FB15  | H-1 | *FB40 | C-3 | IC25  | G-3 | Q1   | B-4 | *Q37 | H-2 |
| CN9   | C-6 | *D13 | C-4 | FB16  | H-2 |       |     | IC26  | G-2 | Q2   | B-5 | *Q38 | H-2 |
| CN10  | D-7 | *D14 | C-3 | FB17  | H-2 | FL1   | G-8 | IC27  | G-2 | *Q3  | B-5 | *Q39 | H-2 |
| *CN11 | H-2 | *D15 | C-2 | FB18  | H-5 | FL2   | G-6 | *IC28 | F-5 | Q4   | B-5 | *Q40 | F-4 |
| CN13  | F-7 | *D16 | G-6 | *FB22 | F-6 | *FL3  | F-7 | IC29  | C-3 | Q5   | B-5 | *Q41 | G-5 |
| CN14  | F-1 |      |     | *FB23 | G-4 |       |     | IC30  | C-2 | Q6   | B-6 | *Q42 | D-4 |
| *CN15 | F-1 | *E1  | H-5 | FB24  | G-7 | IC1   | A-6 | IC31  | C-1 | Q7   | B-6 | *Q43 | D-3 |
| *CN16 | C-6 |      |     | *FB25 | F-4 | IC2   | B-7 | *IC32 | D-1 | *Q8  | B-8 | *Q44 | E-4 |
| *CN17 | C-6 | *FB1 | C-4 | *FB26 | G-4 | IC3   | A-7 | *IC33 | E-2 | *Q9  | A-8 | *Q45 | D-5 |
| *CN18 | D-6 | *FB2 | C-3 | FB27  | H-6 | IC4   | A-7 | *IC35 | E-3 | *Q20 | E-3 |      |     |
| *CN19 | H-4 | *FB3 | B-4 | FB28  | H-6 | *IC10 | D-4 | IC36  | G-1 | Q21  | G-5 |      |     |
| *CN20 | E-7 | *FB4 | B-4 | *FB29 | E-4 | *IC11 | D-3 |       |     | Q22  | G-5 |      |     |
| CP1   | E-4 | *FB5 | C-4 | *FB30 | G-3 | *IC12 | E-2 | L1    | E-7 | Q23  | G-4 |      |     |
|       |     | *FB6 | C-4 | *FB31 | F-2 | IC14  | E-1 | *L2   | E-7 | Q24  | G-4 |      |     |
|       |     | FB7  | H-3 | *FB32 | G-2 | IC15  | F-3 | L3    | E-7 | Q25  | F-2 |      |     |

COMPONENT SIDE

FRAME(2/2)



DXC-637 (J)  
 DXC-637 (UC)  
 DXC-637P (EK)

B-33

B-33

A

B

C

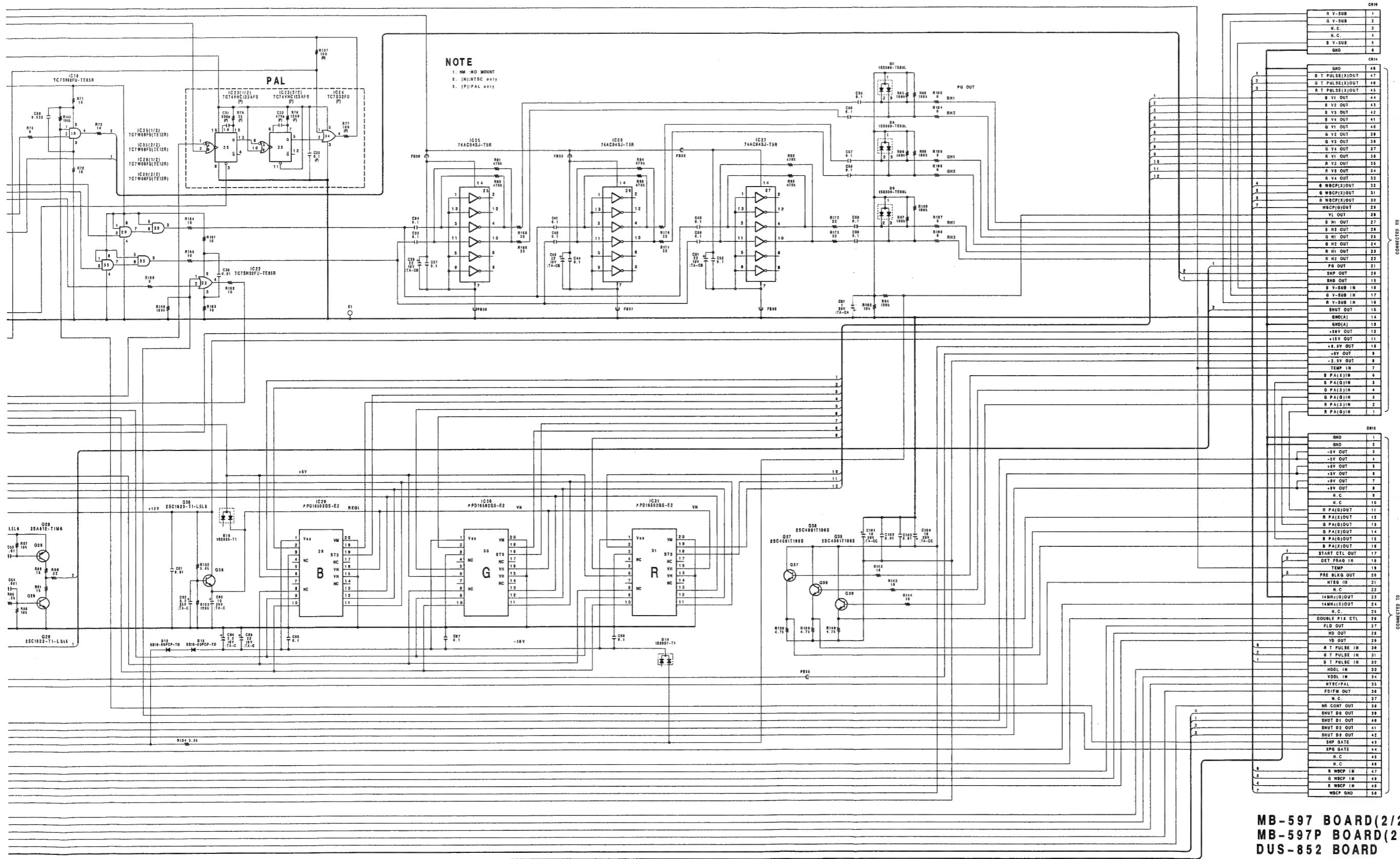
D

E

F

G

H



MB-597 BOARD(2/2)  
MB-597P BOARD(2/2)  
DUS-852 BOARD

DXC-637(UC)  
DXC-637(J)  
DXC-637(EK, UC)

## SECTION C

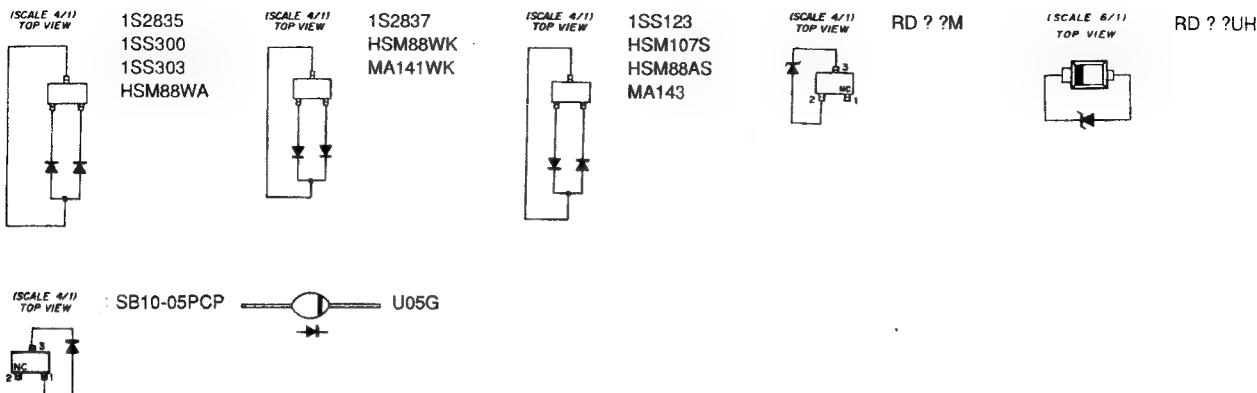
### SEMICONDUCTOR

The Circuit diagram of IC is obtained from the IC data book published by the manufacture.

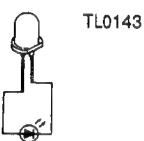
|                  | TYPE                | PAGE            |                     | TYPE               | PAGE                |      |
|------------------|---------------------|-----------------|---------------------|--------------------|---------------------|------|
| DIODE            | 1S2835 .....        | C-2             | IC                  | NJM319M .....      | C-13                |      |
|                  | 1S2837 .....        | C-2             |                     | RTC4553B .....     | C-13                |      |
|                  | 1SS123 .....        | C-2             |                     | S-8054HN-CB .....  | C-13                |      |
|                  | 1SS300 .....        | C-2             |                     | SN74HC00APW .....  | C-13                |      |
|                  | 1SS303 .....        | C-2             |                     | SN74HC164ANS ..... | C-13                |      |
|                  | HSM107S .....       | C-2             |                     | SN74HC27ANS .....  | C-13                |      |
|                  | HSM88AS .....       | C-2             |                     | SN74HC574ANS ..... | C-14                |      |
|                  | HSM88WA .....       | C-2             |                     | SN74HC74APW .....  | C-14                |      |
|                  | HSM88WK .....       | C-2             |                     | SN74LS123NS .....  | C-14                |      |
|                  | MA141WK .....       | C-2             |                     | TC4051BFS .....    | C-9                 |      |
|                  | MA143 .....         | C-2             |                     | TC4053BFS .....    | C-12                |      |
|                  | RD ? ?M .....       | C-2             |                     | TC4S01F .....      | C-14                |      |
|                  | RD ? ?UH .....      | C-2             |                     | TC4S30F .....      | C-14                |      |
|                  | SB10-05PCP .....    | C-2             |                     | TC4S66F .....      | C-14                |      |
|                  | U05G .....          | C-2             |                     | TC4S69F .....      | C-15                |      |
|                  | LED                 | TL0143 .....    |                     | C-2                | TC4S71F .....       | C-15 |
|                  | TRANSISTOR          | 2SA1213 .....   |                     | C-2                | TC4W53F .....       | C-15 |
|                  |                     | 2SA1462 .....   |                     | C-2                | TC4W53FU .....      | C-15 |
|                  |                     | 2SA1576 .....   |                     | C-2                | TC74HC4052AFS ..... | C-15 |
|                  |                     | 2SA1610 .....   |                     | C-2                | TC74HC4053AFS ..... | C-12 |
| 2SA1611 .....    |                     | C-2             | TC74HC4538AFS ..... | C-15               |                     |      |
| 2SA812 .....     |                     | C-2             | TC74VHC08FS .....   | C-15               |                     |      |
| 2SB815B6B7 ..... |                     | C-2             | TC74VHC157FS .....  | C-16               |                     |      |
| 2SC1009A .....   |                     | C-2             | TC74VHC32FS .....   | C-16               |                     |      |
| 2SC1623 .....    |                     | C-2             | TC7S00F .....       | C-16               |                     |      |
| 2SC2873Y .....   |                     | C-2             | TC7S02F .....       | C-14               |                     |      |
| 2SC3735 .....    |                     | C-2             | TC7S04F .....       | C-15               |                     |      |
| 2SC4081 .....    |                     | C-2             | TC7S08F .....       | C-16               |                     |      |
| 2SC4176 .....    |                     | C-2             | TC7S08FU .....      | C-16               |                     |      |
| 2SC4177 .....    |                     | C-2             | TC7S32F .....       | C-16               |                     |      |
| 2SD1048 .....    |                     | C-2             | TC7SH08FU .....     | C-16               |                     |      |
| 2SK853 .....     |                     | C-2             | TC7SH32FU .....     | C-16               |                     |      |
| 2SK94 .....      |                     | C-2             | TC7W08FU .....      | C-16               |                     |      |
| 3SK163 .....     |                     | C-2             | TL062CPS .....      | C-16               |                     |      |
| FMP1 .....       |                     | C-2             | TL062CPW .....      | C-16               |                     |      |
| XN4601 .....     |                     | C-2             | TL064CNS .....      | C-17               |                     |      |
| XN6401 .....     |                     | C-2             | TL064CPW .....      | C-17               |                     |      |
| XN6435 .....     |                     | C-2             | UPC311G2 .....      | C-17               |                     |      |
| XN6501 .....     |                     | C-2             | UPC358G2 .....      | C-17               |                     |      |
| XN6534 .....     |                     | C-2             | UPC812G2 .....      | C-17               |                     |      |
| IC               |                     | 74AC04SJ .....  | C-3                 | UPD16502GS .....   | C-17                |      |
|                  |                     | CX22017 .....   | C-3                 | UPD6453GT .....    | C-18                |      |
|                  |                     | CXA1409AQ ..... | C-3                 | X24C02S-3.0 .....  | C-17                |      |
|                  |                     | CXD1176Q .....  | C-4                 |                    |                     |      |
|                  |                     | CXD1216M .....  | C-4                 |                    |                     |      |
|                  |                     | CXD1217Q .....  | C-6                 |                    |                     |      |
|                  | CXD2307R .....      | C-5             |                     |                    |                     |      |
|                  | CXD2310R .....      | C-5             |                     |                    |                     |      |
|                  | CXD8154BM .....     | C-8             |                     |                    |                     |      |
|                  | CXK1203AR .....     | C-7             |                     |                    |                     |      |
|                  | CY7C291A-50SC ..... | C-8             |                     |                    |                     |      |
|                  | HD6475368SF .....   | C-10            |                     |                    |                     |      |
|                  | LM35DM .....        | C-8             |                     |                    |                     |      |
|                  | LT1253CS8 .....     | C-9             |                     |                    |                     |      |
|                  | M62352GP .....      | C-9             |                     |                    |                     |      |
|                  | M6M80011AFP .....   | C-8             |                     |                    |                     |      |
|                  | MAX452CSA .....     | C-9             |                     |                    |                     |      |
|                  | MB88351PFV .....    | C-12            |                     |                    |                     |      |
|                  | MC14051BF .....     | C-9             |                     |                    |                     |      |
|                  | MC14052BF .....     | C-9             |                     |                    |                     |      |
|                  | MC14053BF .....     | C-12            |                     |                    |                     |      |
|                  | MC74HC4053F .....   | C-12            |                     |                    |                     |      |
|                  | NJM1496M .....      | C-12            |                     |                    |                     |      |
|                  | NJM2043M .....      | C-12            |                     |                    |                     |      |
|                  | NJM2903M .....      | C-12            |                     |                    |                     |      |

## DIODE, LED, TRANSISTOR

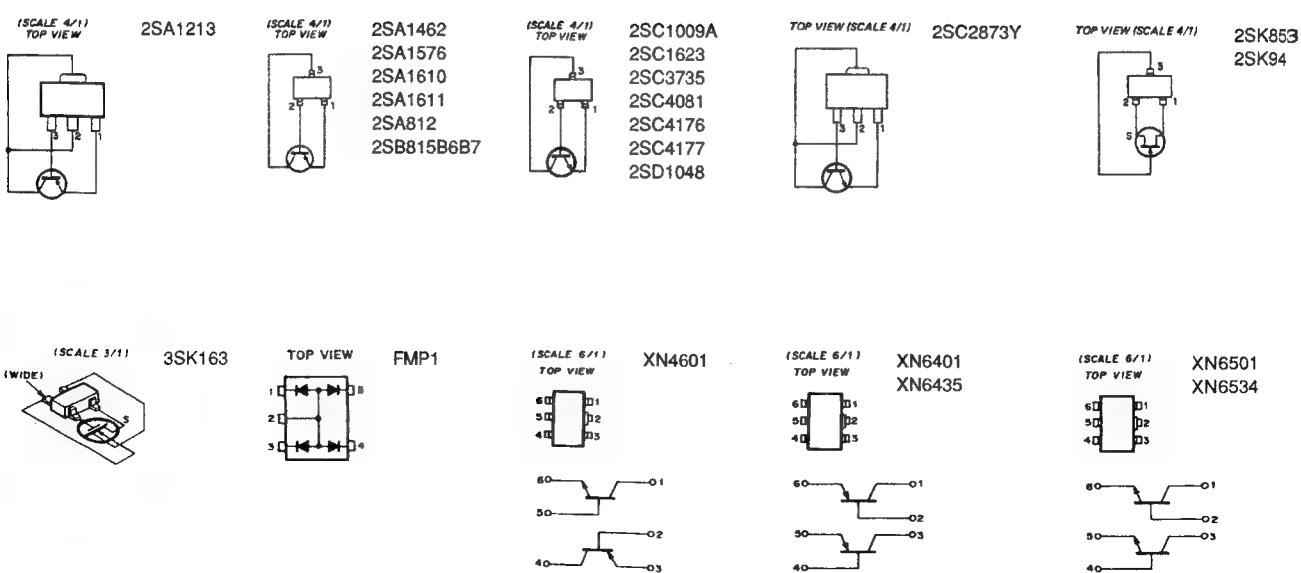
### DIODE



### LED

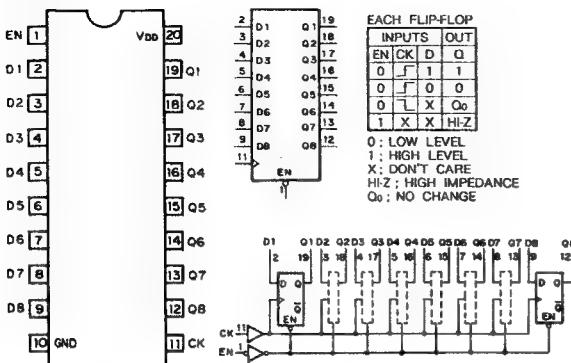


### TRANSISTOR



## IC

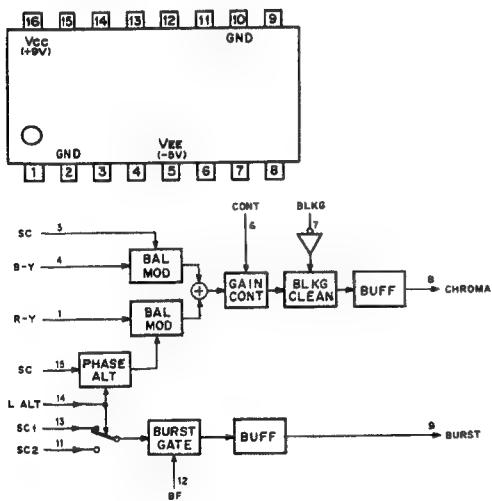
## 74AC04SJ (NS) FLAT PACKAGE

C-MOS HEX INVERTERS  
- TOP VIEW -

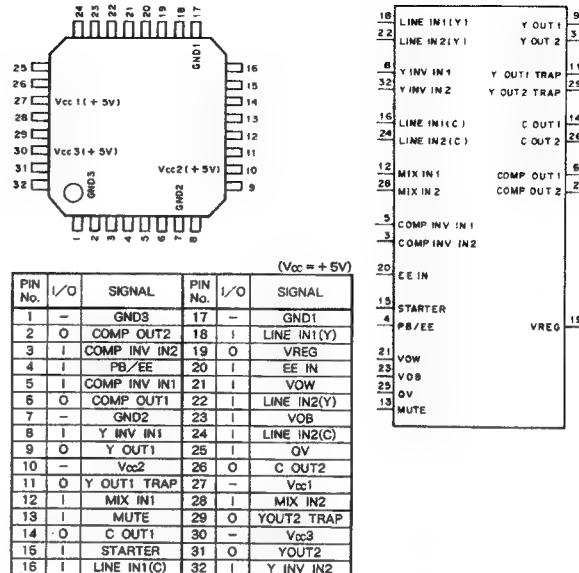
## NOTE :

| TYPE                     | V <sub>DD</sub> |
|--------------------------|-----------------|
| 74AC/74HC                | + 2 to + 6V     |
| 74ACT/74FCT<br>/74HCT    | + 5V            |
| TC74AC574F<br>TC74VHC574 | + 2 to + 5.5V   |

## CX22017 (SONY)

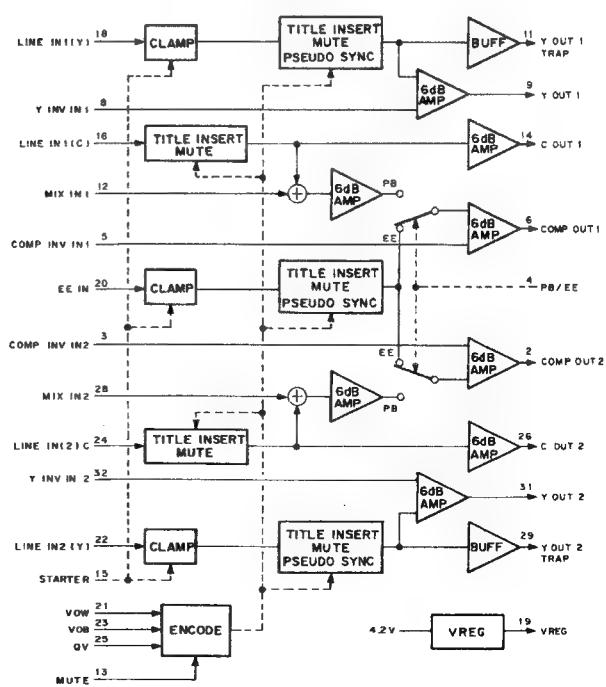
VIDEO SIGNAL PROCESSOR  
- TOP VIEW -

## CXA1409AQ (SONY)

VIDEO SWITCH  
- TOP VIEW -

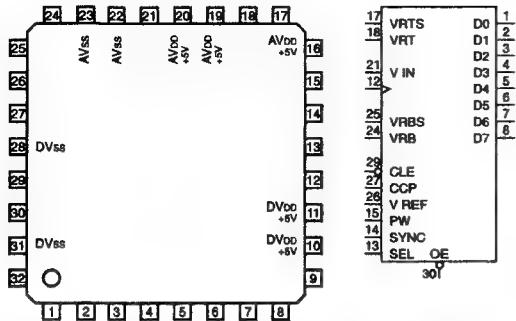
**INPUT**  
 COMP INV IN1, COMP INV IN2 : COMPENSATES V SAG.  
 EEIN : Y AND COMPOSITE SIGNAL AFTER DIODE CLAMPING.  
 PB/EE : SWITCHES PB/EE. H ( $\geq 2V$ ) : PB MODE. L ( $\leq 1V$ ) : EE MODE.  
 LINE IN1(C), LINE IN2(C) : CHROMA SIGNAL.  
 LINE IN1(Y), LINE IN2(Y) : Y AND COMPOSITE SIGNAL AFTER DIODE CLAMPING.  
 MIX IN1, MIX IN2 : Y SIGNAL FROM Y OUT1/Y OUT2 TRAP.  
 MUTE : TIMING PULSE FOR MUTING VIDEO SIGNAL.  
 STARTER : ACCELERATES CLAMPING AT TRANSITION (POWER TURNING ON, etc.)  
 Y INV IN1, Y INV IN2 : COMPENSATES V SAG.  
 QV : TIMING PULSE FOR SETTING VIDEO SIGNAL TO FALSE SYNC.  
 VOB : TIMING PULSE FOR SETTING VIDEO SIGNAL TO NO-LEVEL.  
 VOW : TIMING PULSE FOR SETTING VIDEO SIGNAL Y LEVEL.

**OUTPUT**  
 COMP OUT1, COMP OUT2 : VIDEO SIGNAL (Y AND COMPOSITE)  
 C OUT1, C OUT2 : VIDEO SIGNAL (CHROMA SIGNAL)  
 Y OUT1, Y OUT2 : VIDEO SIGNAL (Y AND COMPOSITE)  
 Y OUT1 TRAP, Y OUT2 TRAP : Y SIGNAL BEFORE Y/C MIX  
 VREG : INTERNAL REGULATOR (4.2V)



CXD1176Q (SONY)

**C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER  
- TOP VIEW -**



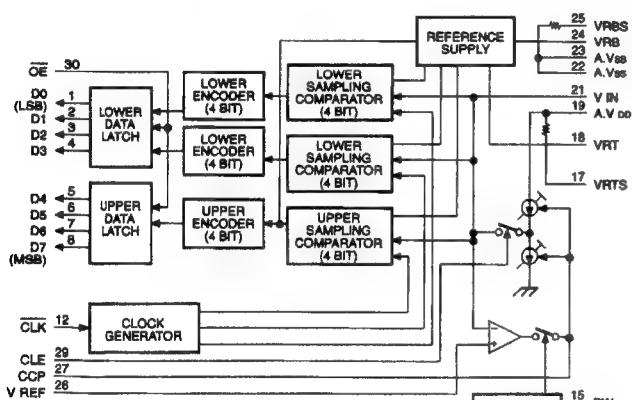
| PIN NO | I/O | SIGNAL   | PIN NO | I/O | SIGNAL |
|--------|-----|----------|--------|-----|--------|
| 1      | O   | D0 (LSB) | 17     | I   | VRTS   |
| 2      | O   | D1       | 18     | I   | VRT    |
| 3      | O   | D2       | 19     | -   | A.Vdd  |
| 4      | O   | D3       | 20     | -   | A.Vdd  |
| 5      | O   | D4       | 21     | I   | VIN    |
| 6      | O   | D5       | 22     | -   | A.Vss  |
| 7      | O   | D6       | 23     | -   | A.Vss  |
| 8      | O   | D7 (MSB) | 24     | I   | VRB    |
| 9      | -   | NC       | 25     | I   | VRBS   |
| 10     | -   | D.Vdd    | 26     | I   | VREF   |
| 11     | -   | D.Vdd    | 27     | I   | CCP    |
| 12     | I   | CLK      | 28     | -   | D.Vss  |
| 13     | I   | SEL      | 29     | I   | CLE    |
| 14     | I   | SYNC     | 30     | I   | OE     |
| 15     | I   | PW       | 31     | -   | D.Vss  |
| 16     | -   | A.Vdd    | 32     | -   | NC     |

| INPUT CCP | CLAMP CONTROL VOLTAGE FOR INTEGRATOR       |
|-----------|--|
| CLE       | CLAMP ENABLE                               |
| CLK       | CLOCK                                      |
| CLP       | CLAMP PULSE                                |
| OE        | OUTPUT ENABLE                              |
| PW        | PULSE WIDTH FOR MONO MULTI                 |
| SEL       | TRIGGER SELECT                             |
| SYNC      | TRIGGER PULSE FOR MONO MULTI               |
| VIBRATOR  | VIBRATOR                                   |
| VIN       | ANALOG                                     |
| VRB       | REFERENCE VOLTAGE (BOTTOM)                 |
| VRBS      | SELF REFERENCE VOLTAGE (SHORT) (+4.2 VTOP) |
| VREF      | SELF REFERENCE VOLTAGE (TOP) (+4.2 VTOP)   |
| VRTS      | REFERENCE VOLTAGE (TOP)                    |
| VRTS      | SELF REFERENCE VOLTAGE (SHORT) (+2.6 VTOP) |

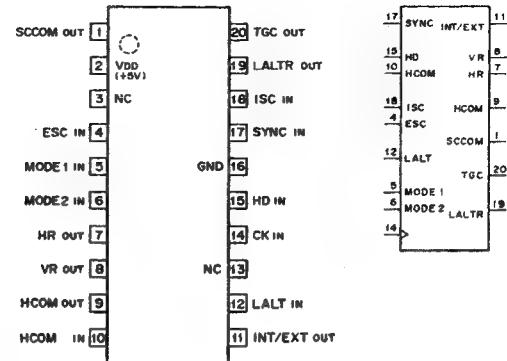
  

| OUTPUT | DATA |
|--------|------|
| DD-D7  | DATA |



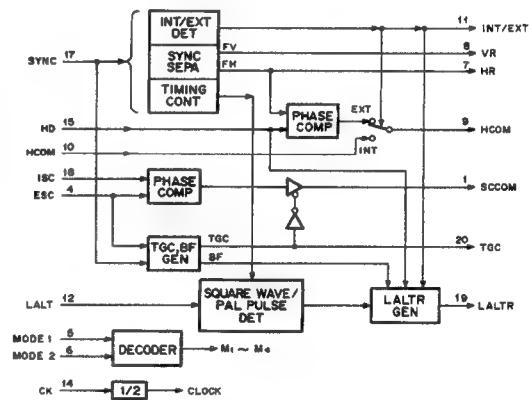
### CXD1216M (SONY) FLAT PACKAGE

## C-MOS GENLOCK DRIVER - TOP VIEW -



| INPUT |       | MODE | SYSTEM                                 |
|-------|-------|------|--|
| MODE1 | MODE2 |      |  |
| 0     | 0     | M1   | PAL-VBS                                |
| 1     | 0     | M2   | PALM-VBS                               |
| 0     | 1     | M3   | PALSECAM-VS/SC/LALT                    |
| 1     | 1     | M4   | NTSC-VBS-NTSC-VS/SC<br>PALM-VS/SC/LALT |

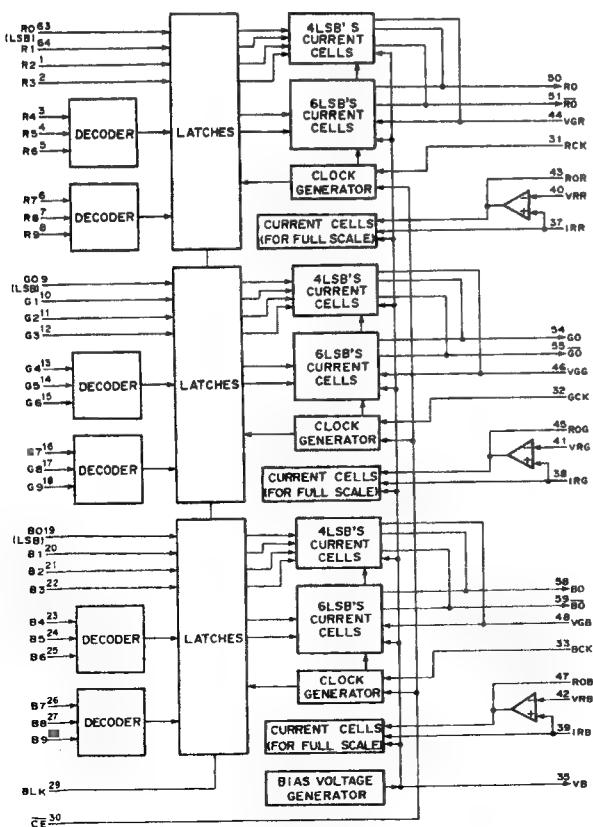
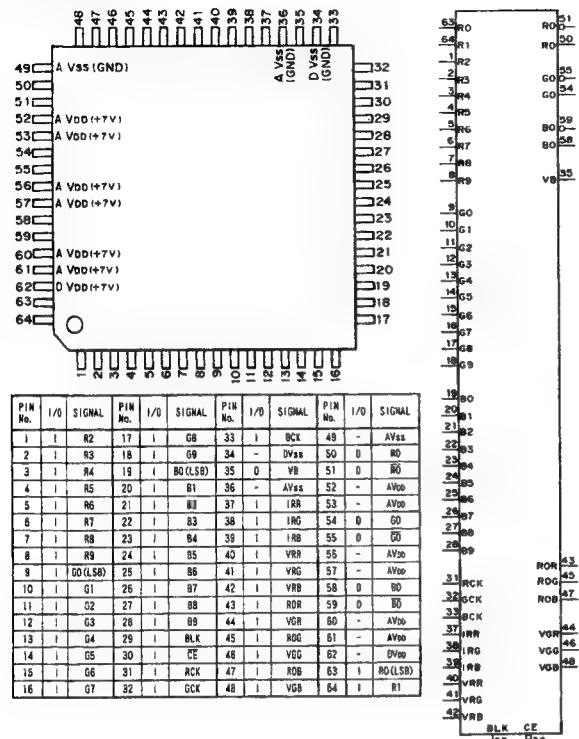
0: LOW LEVEL  
1: HIGH LEVEL



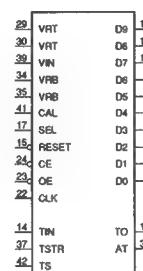
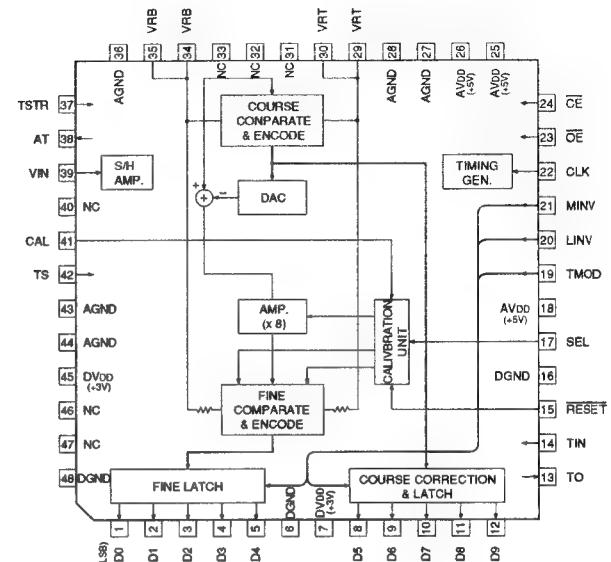
**INPUT** : 4fcs CLOCK INPUT  
**CK** : SC/COLOR BURST  
**ESC** : PHASE COMPARE FROM CXD1217  
**HCOM** : H DRIVE FROM CXD1217  
**HD** : SUBCARRIER FROM CXD1217  
**ISC** : LALT FROM REFERENCE SIGNAL GENERATOR  
**LALT** : SYSTEM SELECT  
**MODE12** : PROG. REFERENCE SIGNAL GENERATOR

|               |                                 |
|---------------|---------------------------------|
| <b>OUTPUT</b> |                                 |
| HCOM          | : PHASE COMPARATOR HR WITH HD   |
| HR            | : 1H OF SYNC SEPARATE           |
| INT/EXT       | : INTERNAL/EXTERNAL SPECIFIED   |
| LALTR         | : LINE CHANGE RESET             |
| SCCOM         | : PHASE COMPARATOR ESC WITH ISC |
| TGC           | : TRISTATE CONTROL              |
| VR            | : 1V OF SYNC SEPARATE           |

## CXD2307R (SONY) FLAT PACKAGE

C-MOS 10-BIT 50MSPS RGB 3CHANNEL D/A CONVERTER  
-TOP VIEW-DXC-637 (J,UC)  
DXC-637P (EK)

## CXD2310R (SONY)

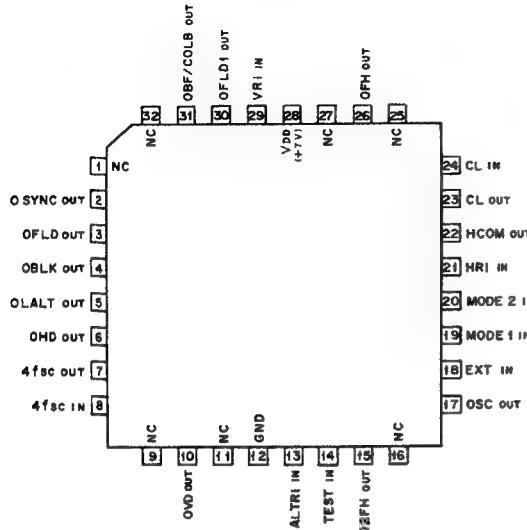
C-MOS 10-BIT 20MSPS VIDEO A/D CONVERTER  
-TOP VIEW-

**INPUT**  
 CAL : CALIBRATION PULSE INPUT  
 CE : CHIP ENABLE  
 CLK : CLOCK  
 LINV : OUTPUT (D9-D8) INVERSION  
 MINV : OUTPUT (D9) INVERSION  
 OE : DIGITAL DATA OUTPUT ENABLE  
 RESET : CALIBRATION CIRCUIT RESET  
 SEL : OUTPUT DATA (D5-D9) SELECT FOR CALIBRATION (4-CLOCK)  
 TIN : TEST SIGNAL INPUT  
 TMOD : TEST MODE  
 TS : TEST SIGNAL INPUT  
 TSTR : TEST SIGNAL INPUT  
 VRB : REFERENCE BOTTOM VOLTAGE  
 VRT : REFERENCE TOP VOLTAGE

**OUTPUT**  
 AT : TEST SIGNAL OUTPUT  
 D0-D9 : DIGITAL DATA OUTPUT  
 TO : TEST PIN

## CXD1217Q (SONY) FLAT PACKAGE

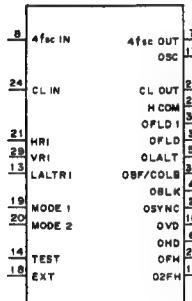
C-MOS SYNC GENERATOR  
- TOP VIEW -



| SYSTEM | 4fsc                                 | CLOCK             |
|--------|--------------------------------------|-------------------|
| NTSC   | 910f <sub>h</sub>                    | 910f <sub>h</sub> |
| PAL    | 1195f <sub>h</sub> + 2f <sub>v</sub> | 905f <sub>h</sub> |
| PALM   | 905f <sub>h</sub>                    | 910f <sub>h</sub> |
| SECAM  | —                                    | 908f <sub>h</sub> |

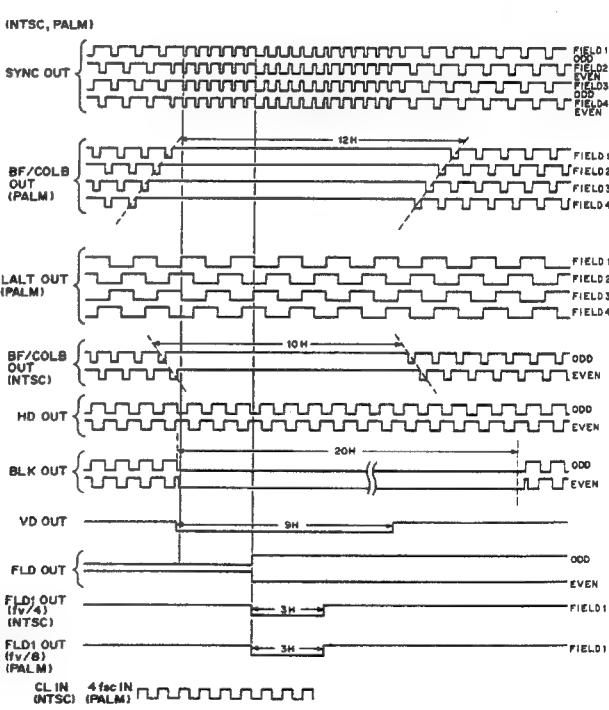
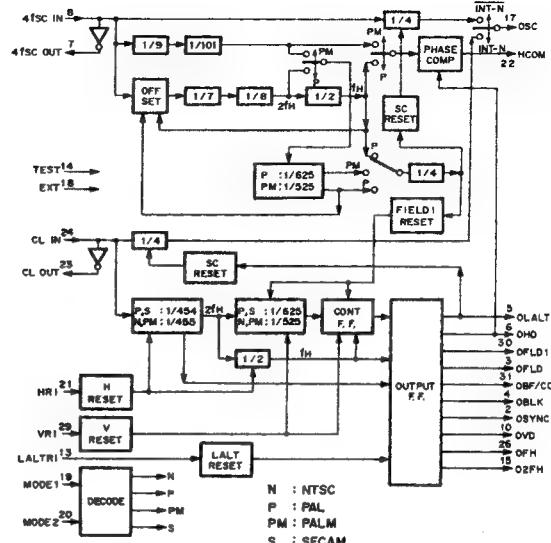
| INPUT | MODE1 | MODE2 | SYSTEM |
|-------|-------|-------|--------|
| 0     | 0     | 0     | NTSC   |
| 0     | 1     | 0     | SECAM  |
| 1     | 0     | 1     | PALM   |
| 1     | 1     | 1     | PAL    |

0: LOW LEVEL  
1: HIGH LEVEL



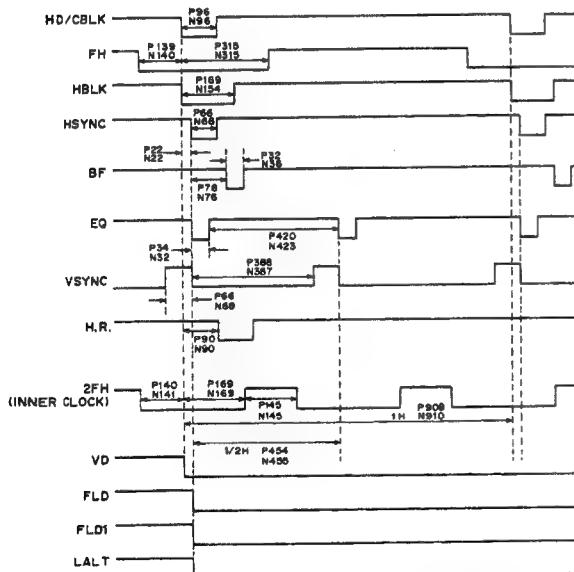
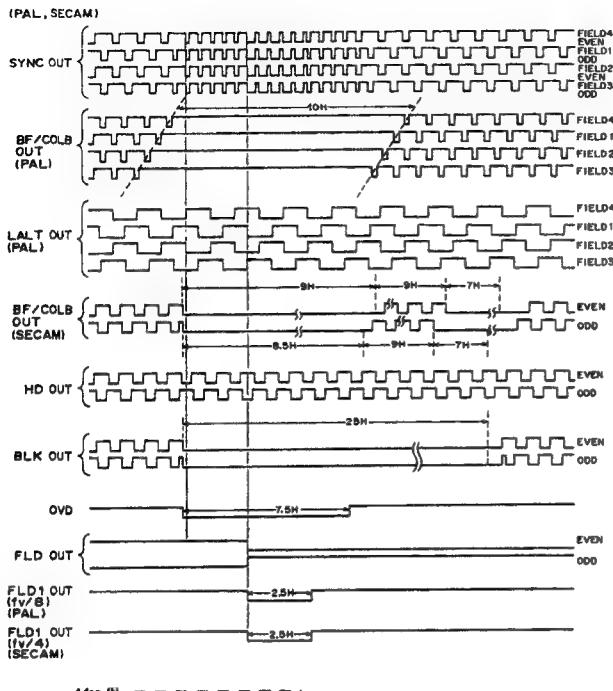
**INPUT**  
4fsc IN : 4fsc  
CL IN : CLOCK  
EXT : SYNC MODE SELECT  
(L: INTERNAL/H: EXTERNAL)  
HRI : HORIZONTAL RESET  
LALTRI : LINE ALTERNATE RESET  
MODE1,2 : SYSTEM SELECT  
VRI : VERTICAL RESET

**OUTPUT**  
4fsc OUT : 4fsc  
CL OUT : CLOCK  
HCOM : PHASE COMPARATOR  
O2FH : 2f<sub>v</sub>  
OBF/COBL : BURST FLAG/COLOR BLANKING  
OBLK : COMPOSITE BLANKING  
OFH : f<sub>v</sub>  
OFLD : FIELD PULSE  
OFLD1 : FIELD1  
OHD : HORIZONTAL DRIVE  
OALALT : LINE ALTERNATE  
OSC : SUBCARRIER  
OSYNC : COMPOSITE SYNC  
OVD : VERTICAL DRIVE

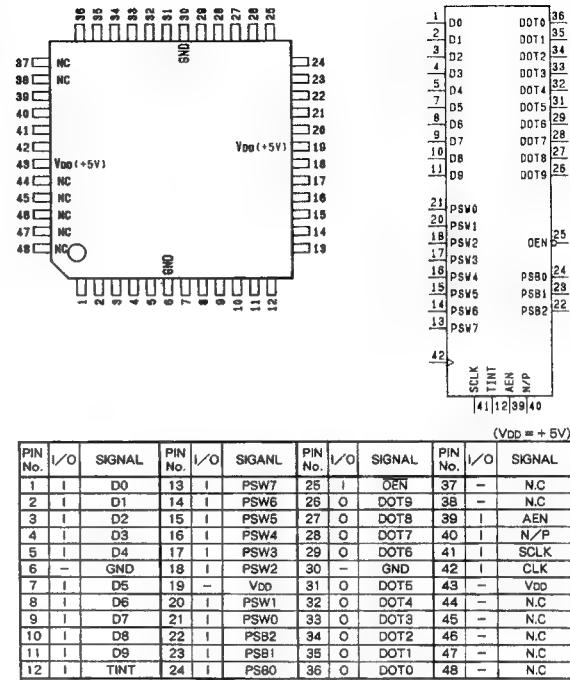


## CXK1203AR (SONY) FLAT PACKAGE

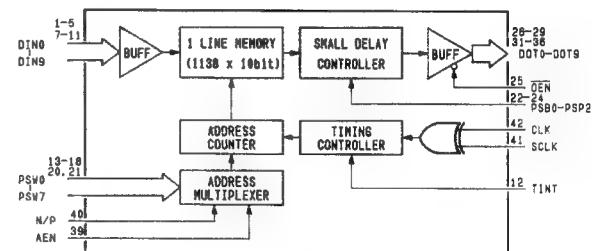
## C-MOS DIGITAL LINE MEMORY - TOP VIEW -



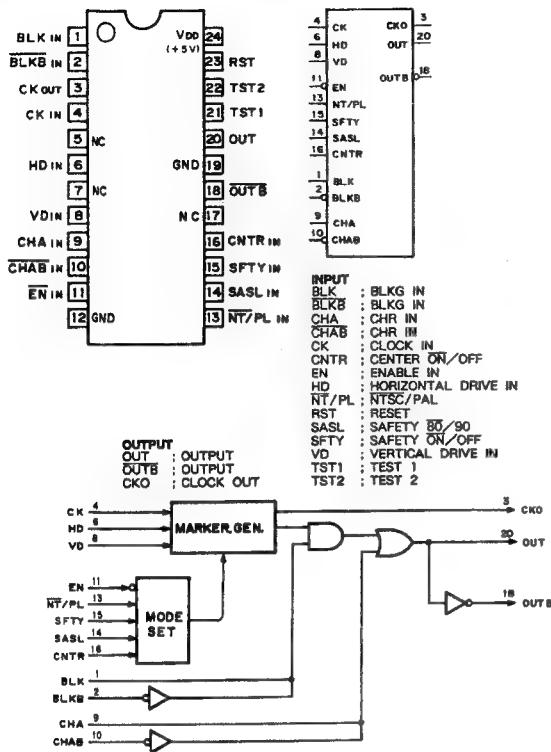
P: PAL, SECAM  
N: NTSC, PALM



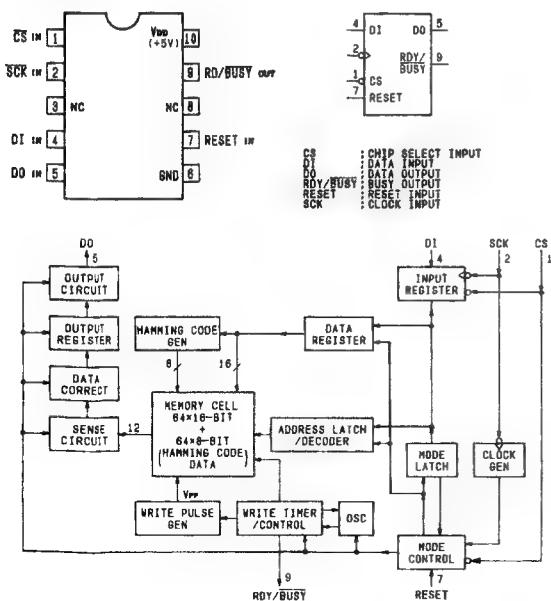
|           |                        |
|-----------|------------------------|
| AEN       | :LINE MEMORY SELECT    |
| CLK       | :CLOCK                 |
| D100-D103 | :VIDEO DATA INPUT      |
| D00-D07   | :VIDEO DATA OUTPUT     |
| N/P       | :NTSC/PAL/SECAM SELECT |
| OEN       | :OUTPUT ENABLE         |
| PSB0-PSB2 | :DELAY STEP SELECT(1)  |
| PSW0-PSW7 | :DELAY STEP SELECT(8)  |
| SCLK      | :CLOCK EDGE SELECT     |
| TINT      | :TEST                  |



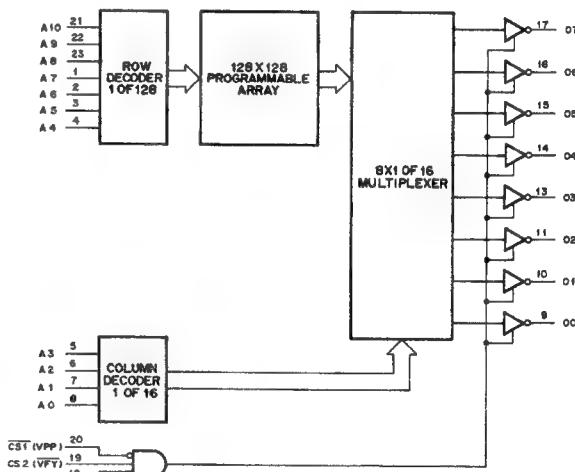
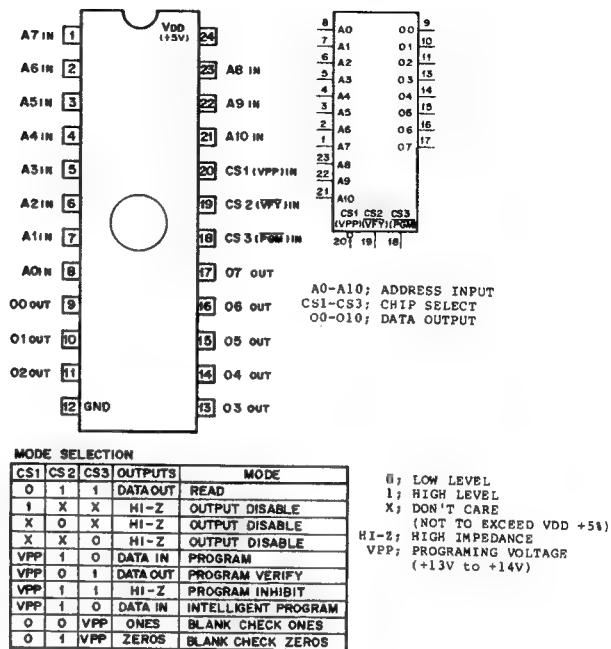
## CXD8154BM (SONY)

C-MOS GATE ARRAY  
- TOP VIEW -

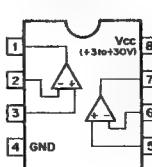
## M6M80011AFP (MITSUBISHI) FLAT PACKAGE

C-MOS 1K(64x16)BIT ERASABLE PROM  
- TOP VIEW -

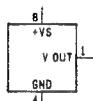
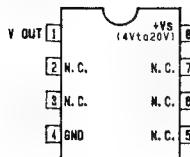
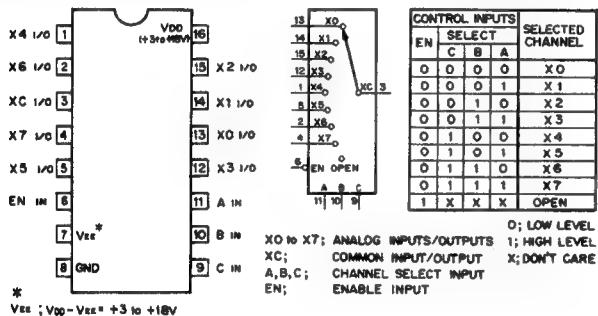
## CY7C291A-50SC (CYPRESS)

C-MOS 16K(2048x8)-BIT EPROM  
- TOP VIEW -

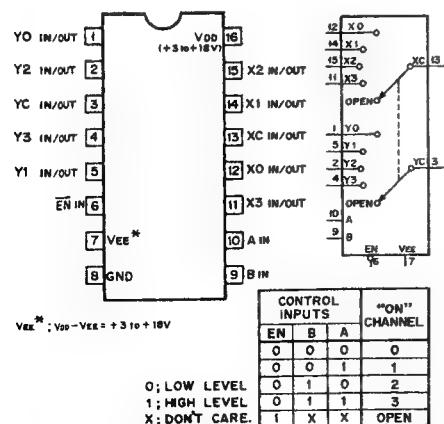
## LM35DM (NSC) FLAT PACKAGE

TEMPERATURE SENSOR  
- TOP VIEW -

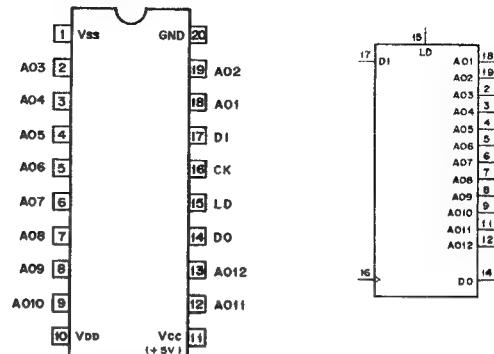
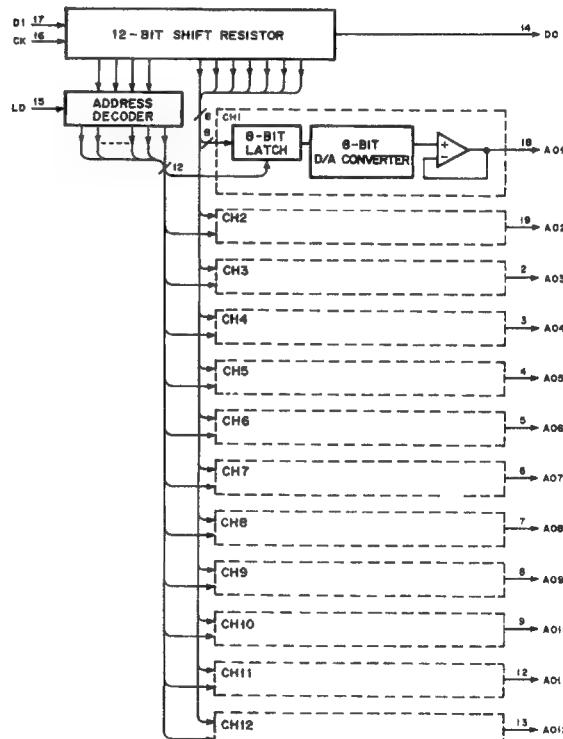
## LT1253CS8 (LINEAR TECHNOLOGY) FLAT PACKAGE

DUAL AND QUAD VIDEO AMPLIFIERS  
- TOP VIEW -MC14051BF (MOTOROLA) FLAT PACKAGE  
TC4051BFS (TOSHIBA) FLAT PACKAGEC-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -

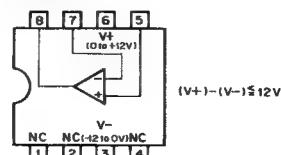
## MC14052BF (MOTOROLA) FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS  
- TOP VIEW -DXC-637 (J,UC)  
DXC-637P (EK)

## M62352GP (MITSUBISHI) FLAT PACKAGE

C-MOS 8-BITx12 CHANNEL D/A CONVERTER  
(WITH BUFFER OPERATIONAL AMPLIFIER)  
- TOP VIEW -AO1 - AO12: 8-BIT D/A OUTPUT  
CK: CLOCK INPUT  
DI: SERIAL DATA INPUT  
DO: DATA OUTPUTNOTE:  
- 3.5V < VDD < Vcc  
- 3.5V < Vss < Vcc

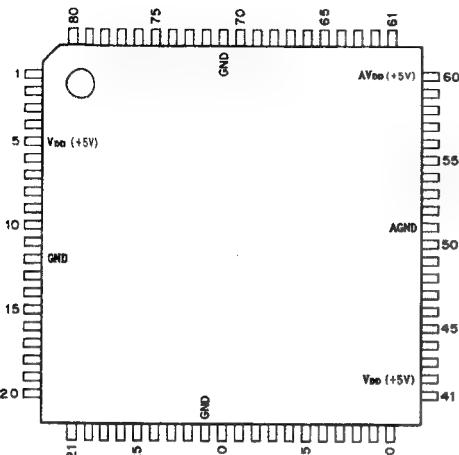
## MAX452CSA (MAXIM) FLAT PACKAGE

C-MOS 50MHZ VIDEO AMPLIFIER  
- TOP VIEW -

#### HD6475368SF (HITACHI) FLAT PACKAGE

## C-MOS 16-BIT MICRO COMPUTER UNIT

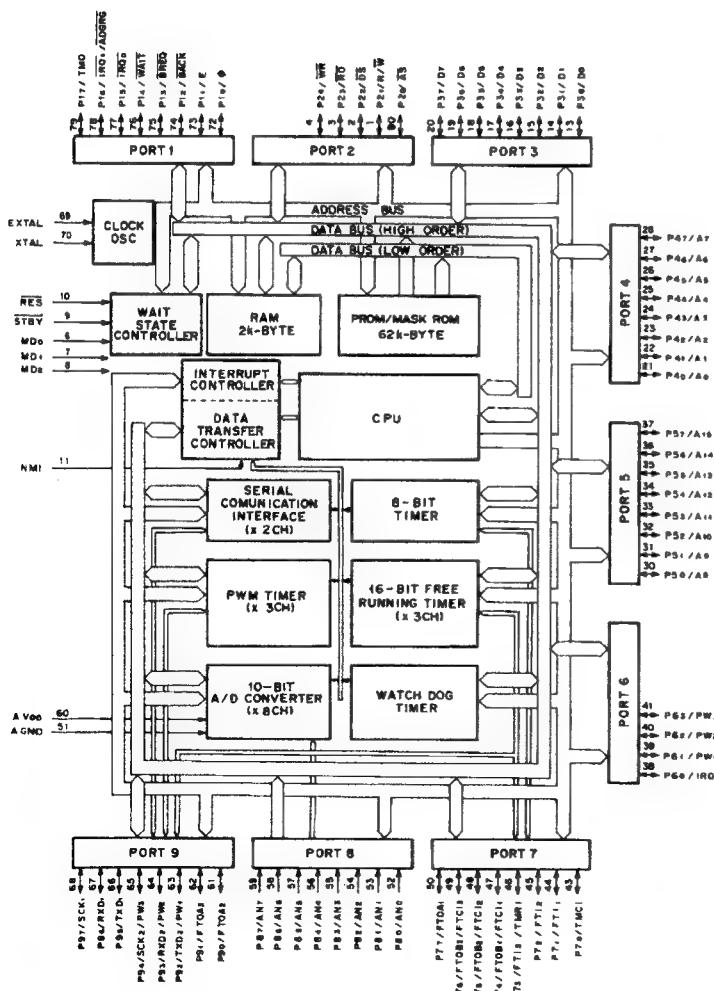
- TOP VIEW -

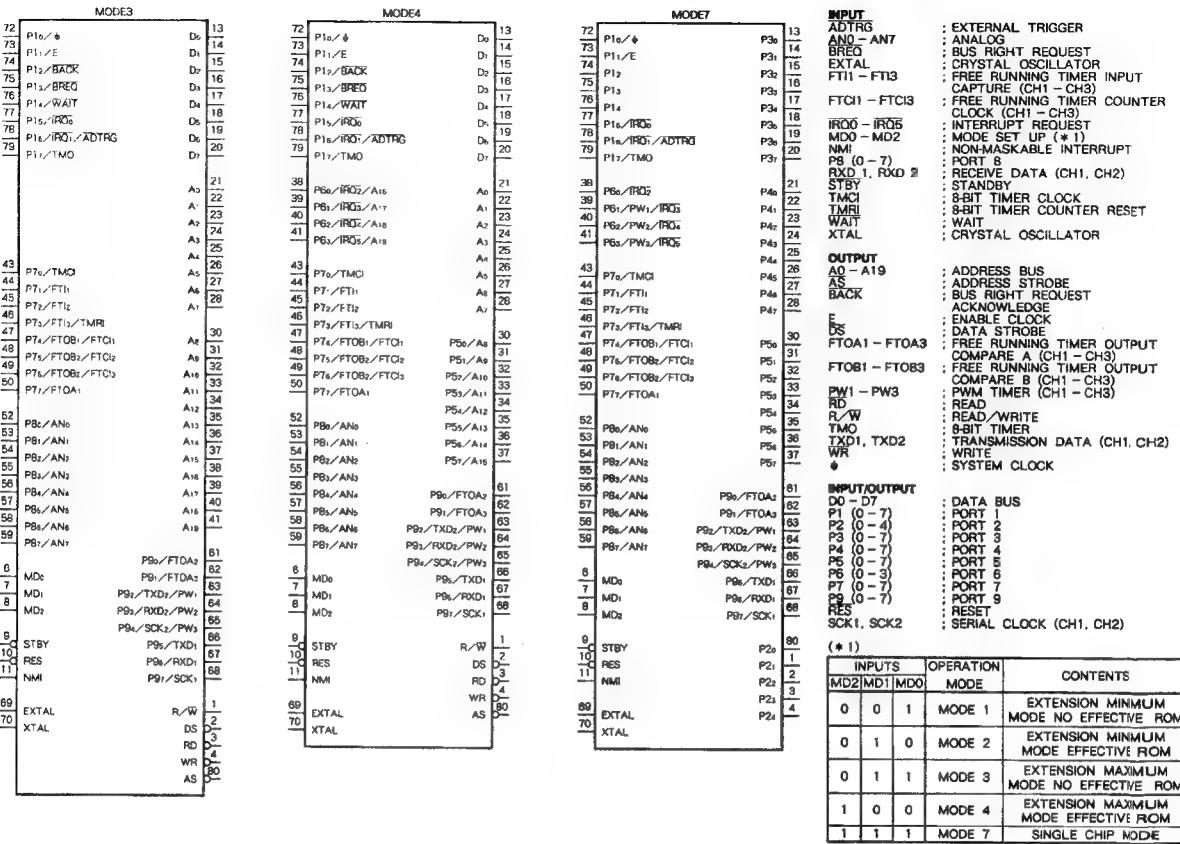


M

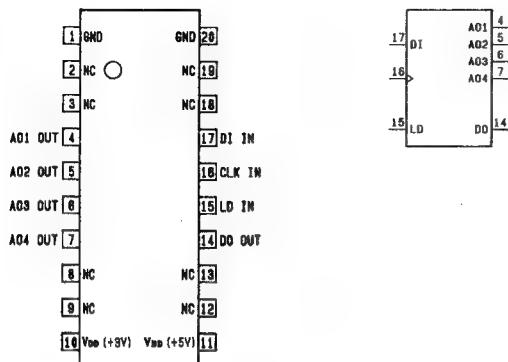
|    |               |
|----|---------------|
| 72 | P1s/Φ         |
| 74 | P1z/BACK      |
| 75 | P1z/BREQ      |
| 77 | P1z/WAIT      |
| 78 | P1s/TROS      |
| 79 | P1s/TRO1/ADT  |
| 80 | P1s/TMO       |
| 38 | P6s/ΦTROS     |
| 39 | P6s/PW1/TROS  |
| 40 | P6s/PW2/TROS  |
| 41 | P6s/PW3/TROS  |
| 43 | P7c/TMC1      |
| 44 | P7t/FT1t      |
| 45 | P7s/FT1s      |
| 46 | P7s/FT1s/TMPL |
| 47 | P7s/FTOB1/FTC |
| 48 | P7s/FTOB2/FTC |
| 49 | P7s/FTOB3/FTC |
| 50 | P7s/FTOB4/FTC |
|    | P7t/FTQA      |
| 52 | P8s/AN1c      |
| 53 | P8s/AN1i      |
| 54 | P8s/AN2       |
| 55 | P8s/AN3       |
| 56 | P8s/AN4       |
| 57 | P8s/AN5       |
| 58 | P8s/AN6       |
| 59 | P8s/AN7       |
| 6  | M0s           |
| 7  | M0i           |
| 8  | M02           |
| 9  | STBY          |
| 10 | RES           |
| 11 | NMI           |
| 69 | EXTAL         |
| 70 | XTAL          |

MODE2





## MB88351PFV (FUJITSU) FLAT PACKAGE

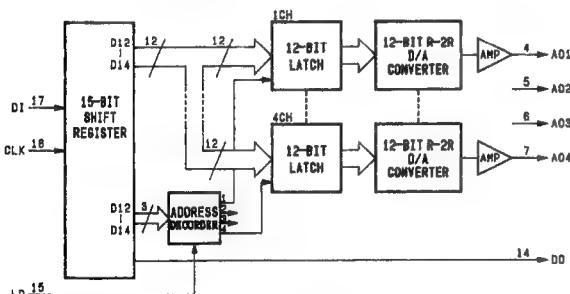
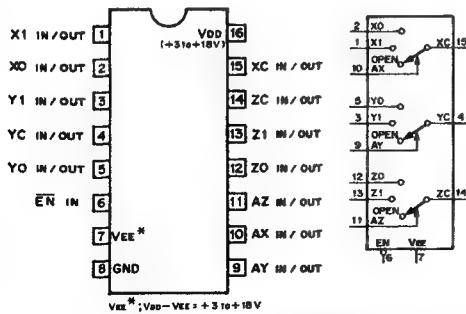
C-MOS 12-BIT D/A CONVERTER WITH OPERATIONAL AMPLIFIER  
- TOP VIEW -

**INPUT**  
CLK : SHIFT CLOCK  
DI : SERIAL DATA  
LD : DECODER AND D/A REGISTER TO LOAD

**OUTPUT**  
A01 - A04 : ANALOG DATA  
DO : MBS BIT DATA IN 15-BIT SHIFT REGISTER

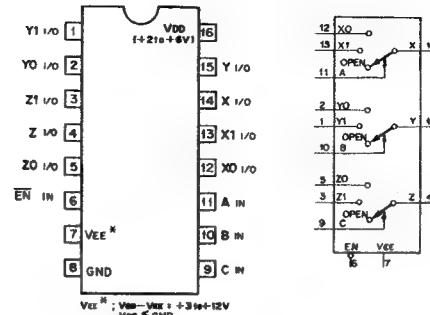
| D12 | D13 | D14 | ADDRESS SELECT |
|-----|-----|-----|----------------|
| 0   | 0   | 0   | DON'T CARE     |
| 0   | 0   | 1   | A01 SELECT     |
| 0   | 1   | 0   | A02 SELECT     |
| 0   | 1   | 1   | A03 SELECT     |
| 1   | 0   | 0   | A04 SELECT     |
| 1   | 0   | 1   | DON'T CARE     |
| 1   | 1   | 0   | DON'T CARE     |
| 1   | 1   | 1   | DON'T CARE     |

0 : LOW LEVEL  
1 : HIGH LEVEL

MC14053BF (MOTOROLA) FLAT PACKAGE  
TC4053BFS (TOSHIBA) FLAT PACKAGEC-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULITPLEXERS  
- TOP VIEW -

| CONT. INPUTS |           | ON      |
|--------------|-----------|---------|
| EN           | A (X,Y,Z) | CHANNEL |
| 0            | 0         | 0       |
| 0            | 1         | 1       |
| 1            | X         | OPEN    |

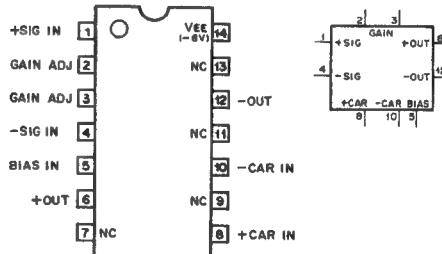
0 : LOW LEVEL  
1 : HIGH LEVEL  
X : DON'T CARE.

MC74HC4053F (MOTOROLA) FLAT PACKAGE  
TC74HC4053AFS (TOSHIBA) FLAT PACKAGEC-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULITPLEXER  
- TOP VIEW -

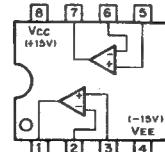
| CONTROL INPUTS |        | ON CHANNEL |
|----------------|--------|------------|
| EN             | SELECT |            |
| 0              | C 0 0  | 0 Z0 Y0 X0 |
| 0              | 0 0 1  | 1 Z0 Y0 X1 |
| 0              | 0 1 0  | 0 Z0 Y1 X0 |
| 0              | 0 1 1  | 1 Z0 Y1 X1 |
| 0              | 1 0 0  | 0 Z1 Y0 X0 |
| 0              | 1 0 1  | 1 Z1 Y0 X1 |
| 0              | 1 1 0  | 0 Z1 Y1 X0 |
| 0              | 1 1 1  | 1 Z1 Y1 X1 |
| 1              | X X X  | OPEN       |

0 : LOW LEVEL  
1 : HIGH LEVEL  
X : DON'T CARE

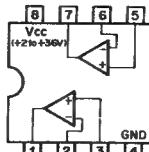
## NJM1496M (JRC) FLAT PACKAGE

BALANCED MODULATOR/DEMULITPLEXER  
- TOP VIEW -

## NJM2043M (JRC) FLAT PACKAGE

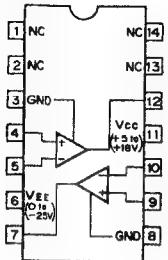
DUAL OPERATIONAL AMPLIFIER  
- TOP VIEW -

## NJM2903M (JRC) FLAT PACKAGE

DUAL VOLTAGE COMPARATORS  
- TOP VIEW -

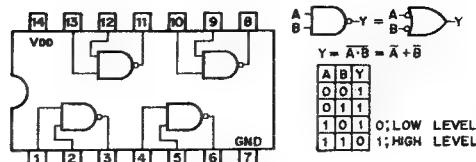
### NJM319M (JRC) FLAT PACKAGE

**DUAL VOLTAGE COMPARATOR  
- TOP VIEW -**



SN74HC00APW (TI)

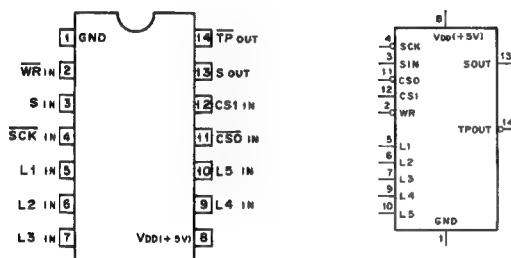
**C-MOS QUAD 2-INPUT NAND GATES**  
**- TOP VIEW -**



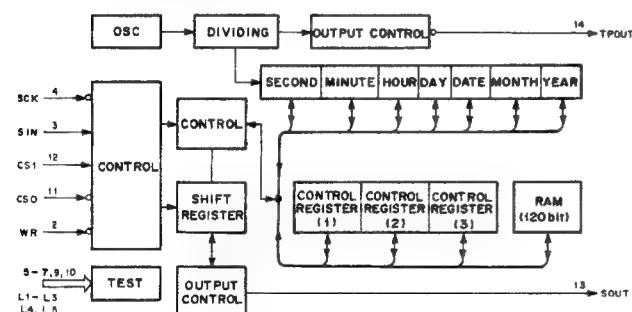
| NOTE : | TYPE          | V <sub>DD</sub> |
|--------|---------------|-----------------|
|        | TC74AC00 TYPE | +2 to +5.5V     |
|        | TC74VHC00     |                 |
|        | MC74HC100N    | +5V             |
|        | 74ACT00 TYPE  | +4.5 to +5.5V   |
|        | OTHER TYPES   | +2 to +5V       |

RTC4553B (EPSON)

## C-MOS REAL TIME CLOCK

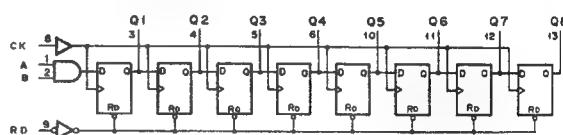
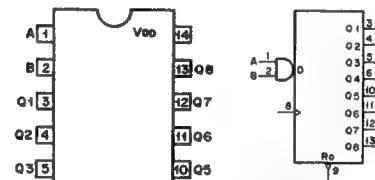


|               |  |
|---------------|--|
| <b>INPUT</b>  |  |
| CS0           | : CHIP SELECT (L : ACCESS ENABLE, H : SOUT HIGH Z) |
| CS1           | : POWER DOWN DETECTION                             |
| L1 - L5       | : TEST IN  |
| SCK           | : SERIAL SYNC SIGNAL                               |
| SIN           | : SERIAL ADDRESS/DATA                              |
| WR            | : WRITING SELECT (L : WRITING, H : READING)        |
| <b>OUTPUT</b> |  |
| SOUT          | : SERIAL ADDRESS/DATA                              |
| UBQUIT        | : REFERENCE SIGNAL                                 |



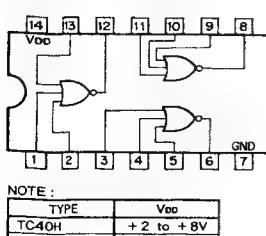
SN74HC164ANS (TI) FLAT PACKAGE

**C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER  
- TOP VIEW -**



SN74HC27ANS (TI) FLAT PACKAGE

**C-MOS 3-LINE POSITIVE-NOR GATE  
- TOP VIEW -**

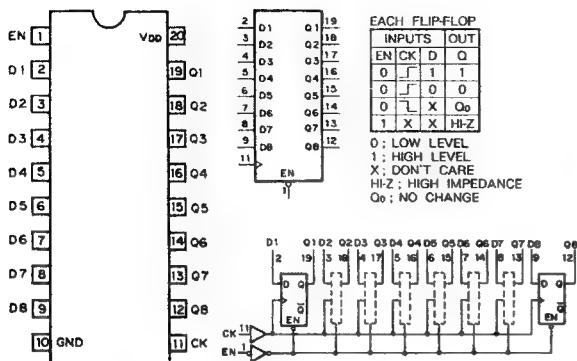


|   |   |   |   |   |
|---|---|---|---|---|
| A | B | C | D | Y |
| 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 1 | 0 | 1 |
| 0 | 1 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 1 |
| 1 | 1 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 1 |

$Y = A + B + C = \bar{A} \cdot \bar{B} \cdot \bar{C}$

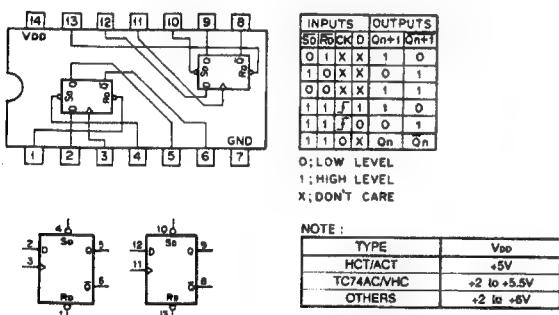
DXC-637 (J,UC)  
DXC-637P (EK)

## SN74HC574ANS (TI) FLAT PACKAGE

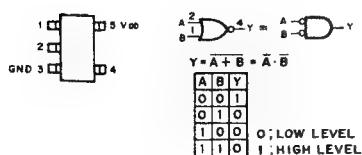
C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP  
- TOP VIEW -

| NOTE :                   |                 |
|--------------------------|-----------------|
| TYPE                     | V <sub>DD</sub> |
| 74AC/74HC                | +2 to +6V       |
| 74ACT/74FCT<br>/74HCT    | +5V             |
| TC74AC574F<br>TC74VHC574 | +2 to +5.5V     |

## SN74HC74APW (TI) FLAT PACKAGE

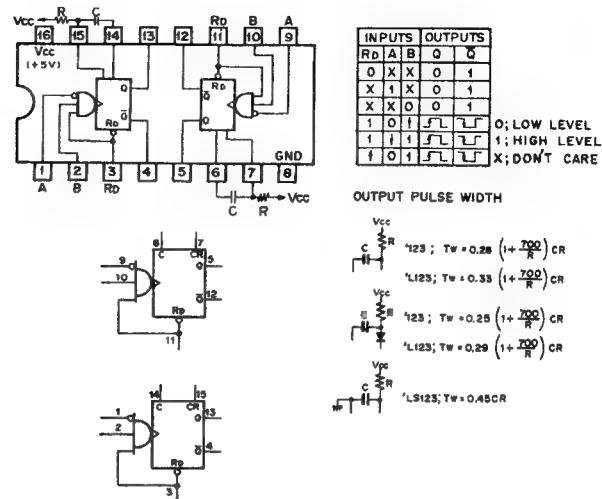
C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET  
- TOP VIEW -

| NOTE :     |                 |
|------------|-----------------|
| TYPE       | V <sub>DD</sub> |
| HCT/ACT    | +5V             |
| TC74AC/VHC | +2 to +5.5V     |
| OTHERS     | +2 to +6V       |

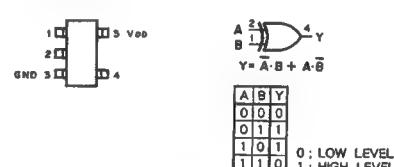
TC4S01F (TOSHIBA) CHIP PACKAGE  
TC7S02F (TOSHIBA) CHIP PACKAGEC-MOS 2-INPUT NOR GATE  
- TOP VIEW -

| TYPE    | V <sub>DD</sub> |
|---------|-----------------|
| 4S01F   | +3 to +18V      |
| 7S02F   | +2 to +6V       |
| 7S02FU  | +2 to +6V       |
| 7SH02FU | +2 to +6V       |

## SN74LS123NS (TI) FLAT PACKAGE

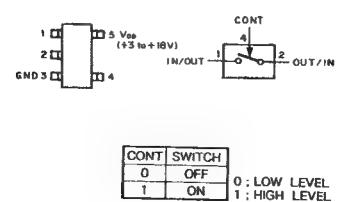
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET  
- TOP VIEW -

## TC4S30F (TOSHIBA) CHIP PACKAGE

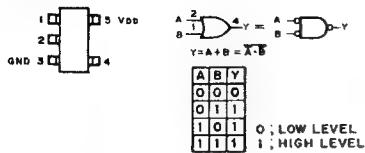
C-MOS 2-INPUT EXCLUSIVE OR GATE  
- TOP VIEW -

| TYPE   | V <sub>DD</sub> |
|--------|-----------------|
| 7S86FU | +2 to +6V       |
| 7S86F  | +2 to +6V       |
| 4S30F  | +3 to +18V      |

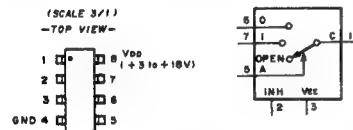
## TC4S66F (TOSHIBA) CHIP PACKAGE

C-MOS BILATERAL ANALOG SWITCH  
- TOP VIEW -

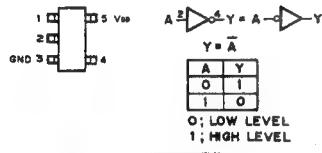
## TC4S71F (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT OR GATE  
- TOP VIEW -

| TYPE    | V <sub>DD</sub> |
|---------|-----------------|
| 7S32F   | + 2 to + 6V     |
| 7S32FU  | + 3 to + 18V    |
| 4S71F   | + 3 to + 18V    |
| 7SH32FU | + 2 to + 5.5V   |

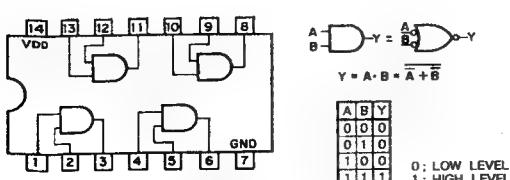
TC4W53F (TOSHIBA) CHIP PACKAGE  
TC4W53FU (TOSHIBA) CHIP PACKAGEC-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -

| CONT. INPUT | ON CHANNEL |
|-------------|------------|
| INH         | A          |
| 0           | 0          |
| 1           | 1          |
| X           | OPEN       |

TC4S69F (TOSHIBA) CHIP PACKAGE  
TC7S04F (TOSHIBA) CHIP PACKAGEC-MOS INVERTER  
- TOP VIEW -

| TYPE    | V <sub>DD</sub> |
|---------|-----------------|
| 7S04F   | + 2 to + 6V     |
| 7S04FU  | + 3 to + 18V    |
| 4S69F   | + 3 to + 18V    |
| 4S69FU  | + 2 to + 5.5V   |
| 7SH04FU | + 2 to + 5.5V   |

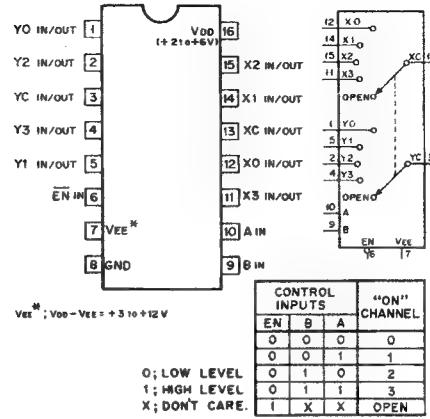
## TC74VHC08FS (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-INPUT AND GATES  
- TOP VIEW -

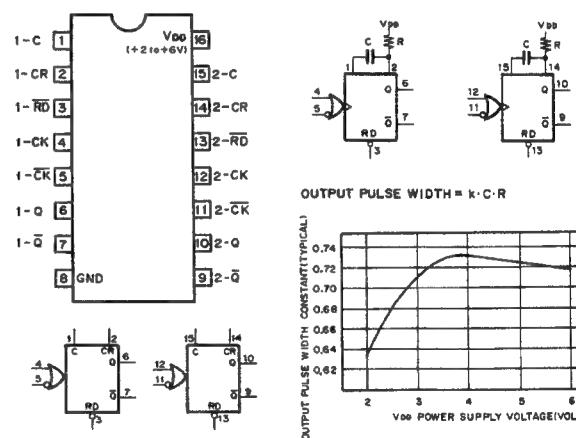
| TYPE                        | V <sub>DD</sub> |
|-----------------------------|-----------------|
| TC74AC08 TYPE<br>MC74ACT08M | + 2 to + 5.5V   |
| TO40H                       | + 2 to + 8V     |
| OTHER TYPES                 | + 2 to + 6V     |

DXC-637 (J,UC)  
DXC-637P (EK)

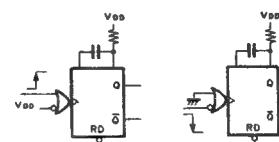
## TC74HC4052AFS (TOSHIBA) FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -

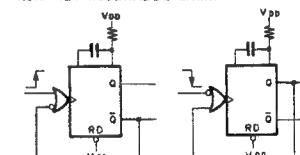
## TC74HC4538AFS (TOSHIBA) FLAT PACKAGE

C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR  
- TOP VIEW -

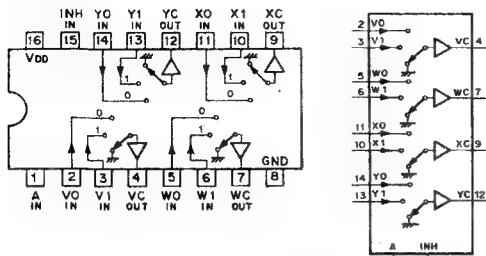
## RETRIGGERABLE M.M.V



## NON-RETRIGGERABLE M.M.V



TC74VHC157FS (TOSHIBA) FLAT PACKAGE (SMALL)  
C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER  
- TOP VIEW -



NOTE :

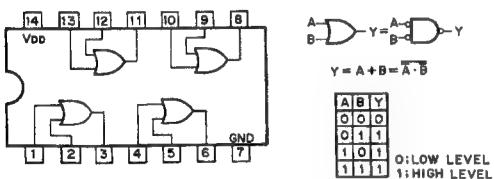
| TYPE                    | V <sub>DD</sub> |
|-------------------------|-----------------|
| 74ACT/74FCT             | +5V             |
| TC74AC157P<br>TC74AC157 | +2 to +5.5V     |
| TC40H                   | +2 to +8V       |
| OTHER TYPES             | +2 to +6V       |

| CONT. IN | INH | A | ON CHANNEL |
|----------|-----|---|------------|
|          | 0   | 0 | 0          |
|          | 0   | 1 | 1          |
|          | 1   | X | GND        |

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

TC74VHC32FS (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-INPUT OR GATES  
- TOP VIEW -

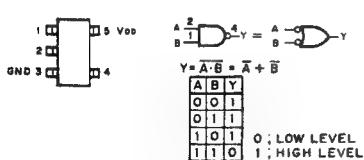


NOTE :

| TYPE   | V <sub>DD</sub> |
|--------|-----------------|
| AC/VHC | +2 to +5.5V     |
| HC     | +2 to +6V       |

TC7S00F (MOTOROLA) CHIP PACKAGE

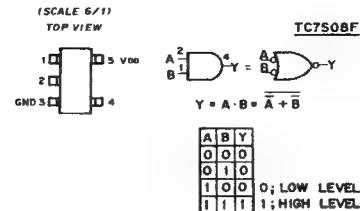
C-MOS 2-INPUT AND GATE  
- TOP VIEW -



| TYPE   | V <sub>DD</sub> |
|--------|-----------------|
| 7S00F  | + 2 to + 6V     |
| 7S00FU | + 2 to + 6V     |
| 4S11F  | + 3 to + 18V    |
| 4S11FU | + 2 to + 5.5V   |

TC7S08F (TOSHIBA) CHIP PACKAGE  
TC7S08FU (TOSHIBA) CHIP PACKAGE  
TC7SH08FU (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT AND GATE

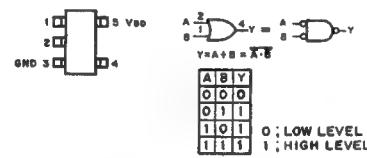


| TYPE    | V <sub>DD</sub> |
|---------|-----------------|
| 7S08F   | + 2 to + 6V     |
| 7S08FU  | + 2 to + 6V     |
| 4S81F   | + 3 to + 18V    |
| 14S81F  | + 2 to + 8V     |
| 7SH08FU | - 2 to + 5.5V   |

TC7S32F (TOSHIBA) CHIP PACKAGE  
TC7SH32FU (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT OR GATE

- TOP VIEW -

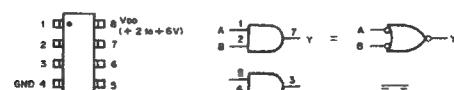


| TYPE    | V <sub>DD</sub> |
|---------|-----------------|
| 7S32F   | + 2 to + 6V     |
| 7S32FU  | + 2 to + 6V     |
| 4S71F   | + 3 to + 18V    |
| 7SH32FU | - 2 to + 5.5V   |

TC7W08FU (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT AND GATE

- TOP VIEW -



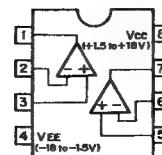
| A | B | Y |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

0: LOW LEVEL  
1: HIGH LEVEL

TL062CPS (TI) FLAT PACKAGE  
TL062CPW (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER (J FET INPUT)

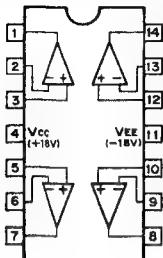
- TOP VIEW -



DXC-637 (J) (C)  
DXC-637P (H) (K)

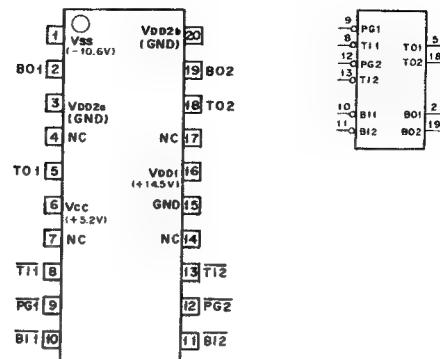
TL064CNS (TI) FLAT PACKAGE  
TL064CPW (TI)

OPERATIONAL AMPLIFIER (J FET INPUT)  
- TOP VIEW -



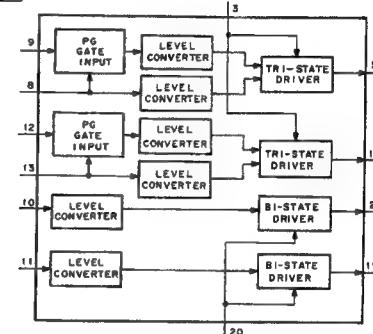
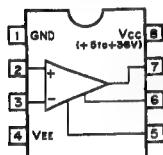
## UPD16502GS (NEC) FLAT PACKAGE

C-MOS CCD DRIVER  
- TOP VIEW -



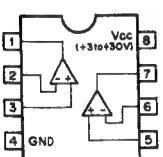
## UPC311G2 (NEC) FLAT PACKAGE

VOLTAGE COMPARATOR  
- TOP VIEW -



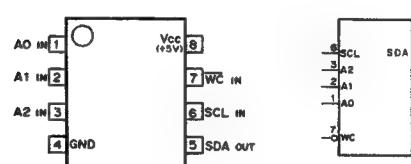
## UPC358G2 (NEC) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS  
- TOP VIEW -



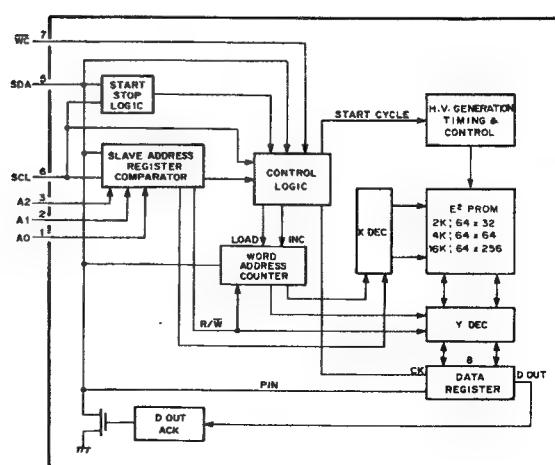
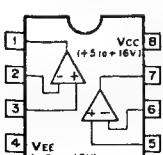
## X24C02S-3.0 (XICOR) (2K BIT) FLAT PACKAGE

C-MOS SERIAL EEPROM  
- TOP VIEW -

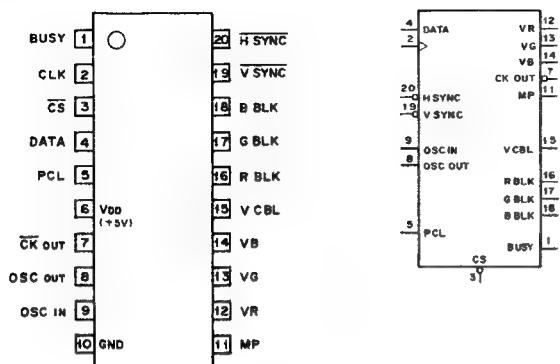


## UPC812G2 (NEC) FLAT PACKAGE

OPERATIONAL AMPLIFIER (J FET INPUT)  
- TOP VIEW -

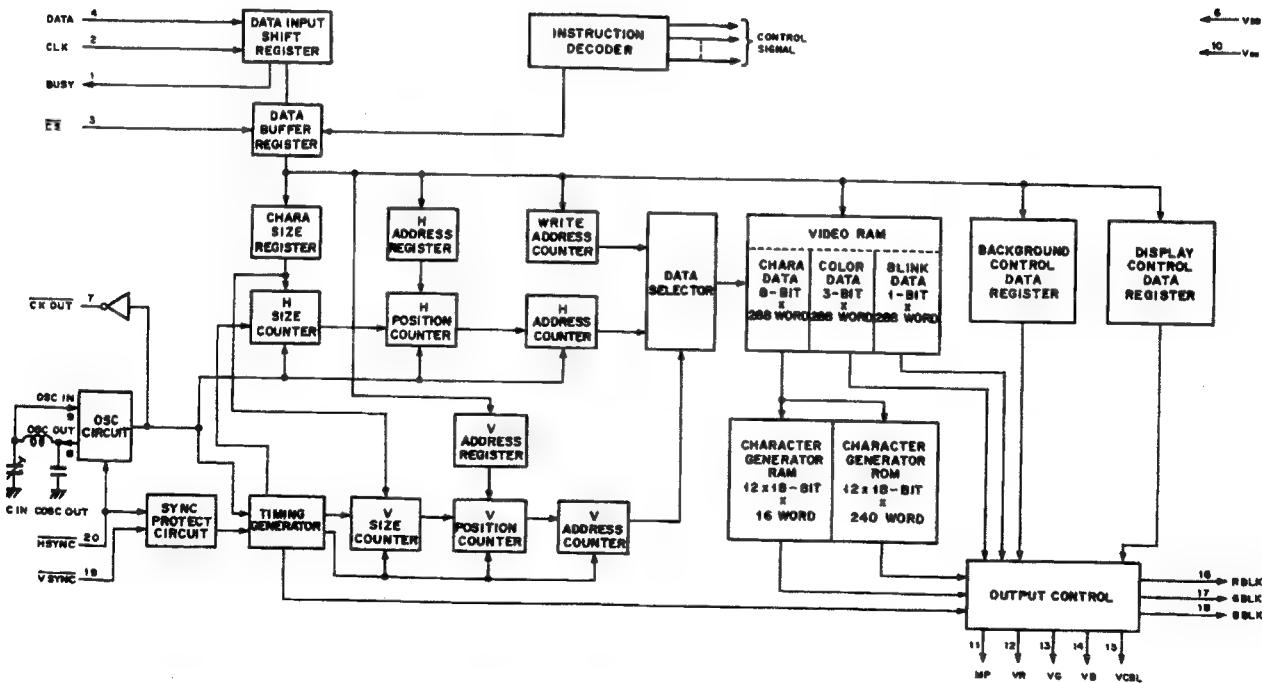


## UPD6453GT (NEC) FLAT PACKAGE

C-MOS ON-SCREEN CHARACTER DISPLAY  
- TOP VIEW -

INPUT  
 CLK : CLOCK  
 CS : CHIP SELECT  
 DATA : SERIAL DATA  
 H SYNC : HORIZONTAL SYNC  
 OSC IN : OSCILLATOR IN  
 PCL : POWER ON CLEAR  
 V SYNC : VERTICAL SYNC

OUTPUT  
 Blanking Gen: B, R, G, BLANKING  
 CK OUT: CLOCK  
 MP: MASK PULSE  
 OSC OUT: OSCILLATOR OUT  
 VR, VG, VB: R, G, B, CHARACTER DATA  
 VCB: VIDEO CUT BLANKING



## SECTION D

## SPARE PARTS

### PARTS INFORMATION

#### 1. Safety Related Component Warning

Components indentified by shading marked with  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to **“accommodating the improved parts and/or engineering changes”** or **“standardization of genuine parts.”** This manual’s exploded view and electrical spare parts lists are indicating the parts numbers of **“the standardized genuine parts at present.”** Regarding engineering parts and diagrams changes in our engineering department, refer to SONY service bulletins and service manual supplements.
3. The parts marked with “S” in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with “O” will be processed, but allow for additional delivery time.
4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.
5. All capacitors are in micro farads unless otherwise specified.  
All inductors are in micro henries unless otherwise specified.  
All resistors are in ohms.

## EXPLODED VIEW

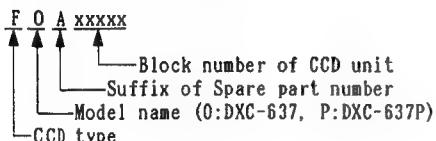
### CCD BLOCK

| No. | Part No.     | SP Description                     |    |
|-----|--------------|------------------------------------|----|
| 1   | A-8274-722-A | s CCD UNIT-C637(N) (FOR DXC-637)   | *1 |
| 2   | A-8274-723-A | s CCD UNIT-C637P(P) (FOR DXC-637P) | *2 |
| 3   | A-8310-946-A | o MOUNTED CIRCUIT BOARD, SE-234    |    |
| 4   | A-8310-963-A | o MOUNTED CIRCUIT BOARD, CN-1173   |    |
| 5   | 1-547-259-11 | o FILTER UNIT, OPTICAL             |    |
| 6   | 1-954-548-11 | o HARNESS, SUB (FL)                |    |
| 7   | 3-178-213-21 | s SCREW (M3X10), +B                |    |
| 8   | 3-672-221-02 | s PACKING, CONTROL                 |    |
| 9   | 3-676-244-00 | s COVER, SWITCH                    |    |
| 10  | 3-678-629-00 | s LEVER, MOUNT                     |    |
| 11  | 3-678-684-00 | o HOLDER, CABLE                    |    |
| 12  | 3-686-185-01 | o PANEL, FRONT                     |    |
| 13  | 3-686-191-01 | o PLATE, FILTER-ID                 |    |
| 14  | 3-686-265-01 | o FINGER, SHIELD                   |    |
| 15  | 3-686-269-02 | s STOPPER, MOUNT                   |    |
| 16  | 3-688-781-02 | s KNOB, FILTER                     |    |
| 17  | 3-699-048-01 | s CAP, MOUNT                       |    |
| 18  | 3-701-506-01 | s SET SCREW, DOUBLE POINT 3X4      |    |
| 19  | 3-708-987-01 | s RING, BAYONET                    |    |
| 20  | 7-627-452-38 | s SCREW, PRECISION +K 2X5          |    |
| 21  | 7-627-553-48 | s SCREW, PRECISION +P 2X4          |    |
| 22  | 7-627-556-58 | s SCREW, PRECISION +P 2.6X5        |    |

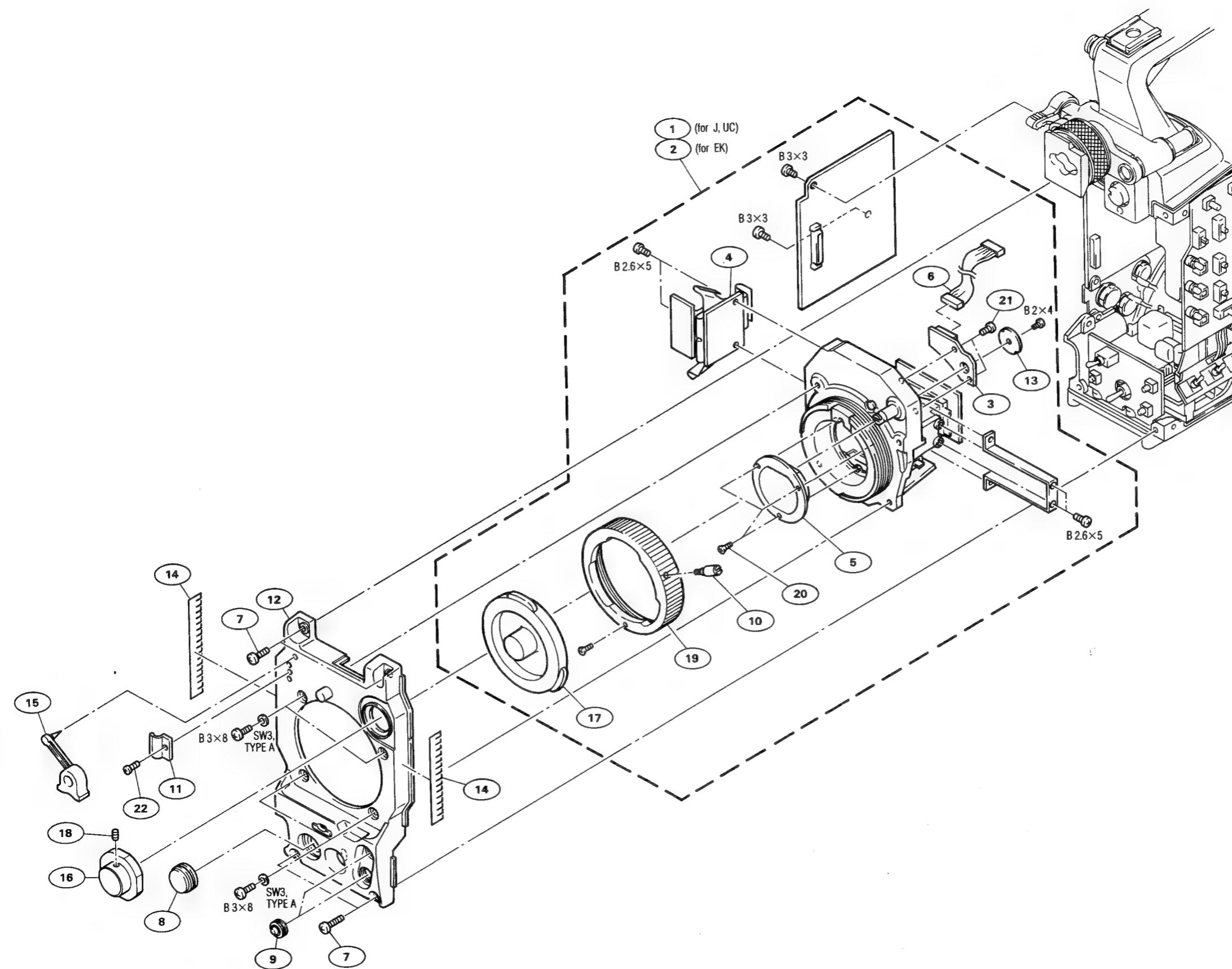
\*1 CCD BLOCK No. FOAxxxxx

\*2 CCD BLOCK No. FPAxxxxx

How to read the CCD BLOCK No.

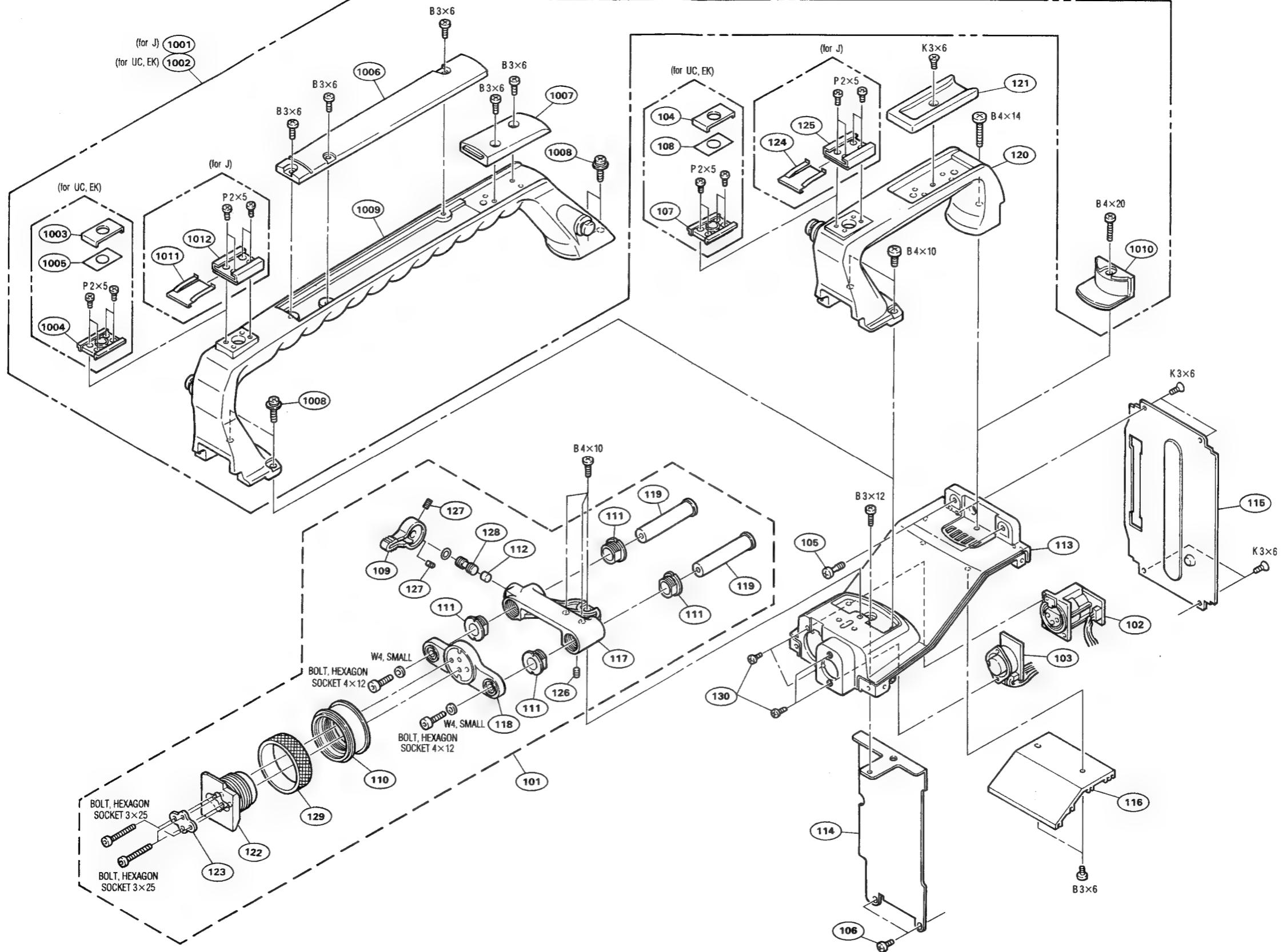


## CCD BLOCK



## SPARE PARTS FOR PVW-637/637P

## HANDLE BLOCK



-----  
HANDLE BLOCK  
-----

| No. | Part No.     | SP Description   |
|-----|--------------|--|
| 101 | A-8278-153-C | o SLIDE ASSY, VF   |
| 102 | A-8310-949-A | o MOUNTED CIRCUIT BOARD, CN-1106                               |
| 103 | A-8310-964-A | o MOUNTED CIRCUIT BOARD, CN-1107                               |
| 104 | 2-277-468-01 | o PLATE, ORNAMENTAL, CAMERA SHOE<br>(FOR DXC-637;UC, DXC-637P) |
| 105 | 3-175-715-02 | s SCREW, FITTING, ADAPTOR                                      |
| 106 | 3-178-214-01 | s SCREW (M3X6), +B   |
| 107 | 3-657-700-00 | s BRACKET, ACCESSORY<br>(FOR DXC-637;UC, DXC-637P)             |
| 108 | 3-672-213-00 | o SHEET, ADHESIVE<br>(FOR DXC-637;UC, DXC-637P)                |
| 109 | 3-673-046-00 | s LEVER, LOCK  |
| 110 | 3-679-543-11 | o RING(D), LOCK  |
| 111 | 3-679-684-01 | o REST, ARM  |
| 112 | 3-679-702-01 | o CUSHION, STOPPER   |
| 113 | 3-686-183-01 | o CHASSIS, TOP   |
| 114 | 3-686-184-01 | o DIVIDER  |
| 115 | 3-686-192-02 | o PLATE, REAR  |
| 116 | 3-686-193-01 | o RAIL, TOP  |
| 117 | 3-686-195-03 | o SLIDEBASE, VF  |
| 118 | 3-686-196-02 | o RETAINER, VF SHOE  |
| 119 | 3-686-197-01 | o ARM, SLIDE   |
| 120 | 3-686-253-02 | o HANDLE   |
| 121 | 3-686-254-01 | o PLATE, BLIND   |
| 122 | 3-686-261-02 | s SHOE3, VF SLIDE  |
| 123 | 3-687-070-01 | o WASHER, SHOE   |
| 124 | 3-688-754-11 | o SPRING, SHOE (FOR DXC-637;J)                                 |
| 125 | 3-688-755-12 | o SHOE, ACCESSORY (FOR DXC-637;J)                              |
| 126 | 3-701-506-01 | s SET SCREW, DOUBLE POINT 3X4                                  |
| 127 | 3-701-508-00 | s SET SCREW, DOUBLE POINT 3X6                                  |
| 128 | 3-711-794-01 | o PIN, STOPPER   |
| 129 | 3-720-919-01 | o RUBBER, LOCK RING  |
| 130 | 7-627-556-57 | s SCREW, PRECISION +P 2.6X5 TYPE1                              |

- SPARE PARTS FOR PVW-637 -

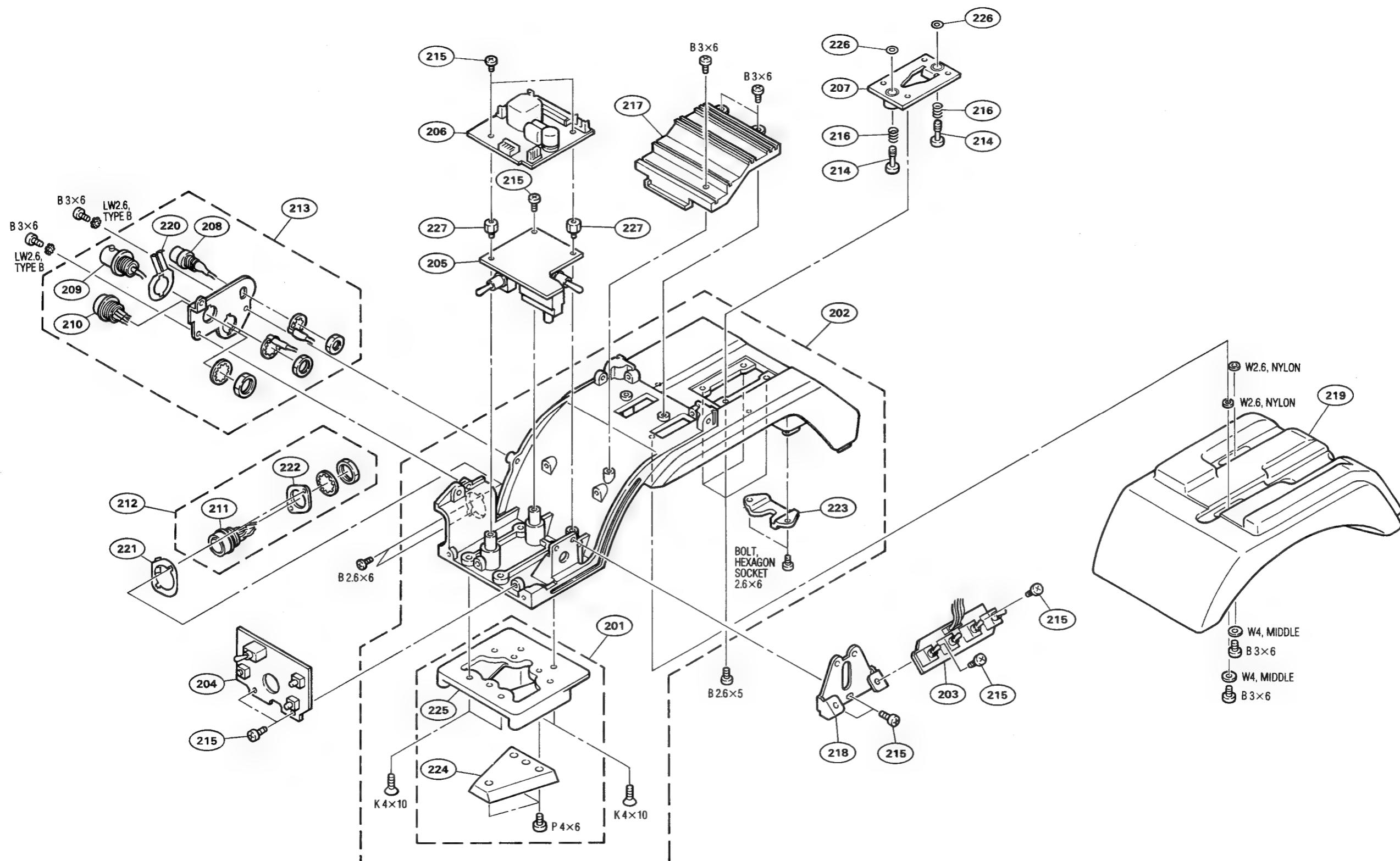
| No.  | Part No.     | SP Description   |
|------|--------------|--|
| 1001 | A-8274-969-A | s HANDLE ASSY<br>(FOR PVW-637;UC, PVW-637P)                    |
| 1002 | A-8274-970-A | s HANDLE ASSY (FOR PVW-637;J)                                  |
| 1003 | 2-277-468-01 | o PLATE, ORNAMENTAL, CAMERA SHOE<br>(FOR PVW-637;UC, PVW-637P) |
| 1004 | 3-657-700-00 | s BRACKET, ACCESSORY<br>(FOR PVW-637;UC, PVW-637P)             |
| 1005 | 3-672-213-00 | o SHEET, ADHESIVE<br>(FOR PVW-637;UC, PVW-637P)                |
| 1006 | 3-679-035-01 | o LID, HANDLE  |
| 1007 | 3-679-036-01 | o LID, HANDLE(2)   |
| 1008 | 3-685-694-01 | s NYLOCK +PSW M4   |
| 1009 | 3-686-381-02 | o HANDLE, (PVW)  |
| 1010 | 3-686-382-01 | s PLATE, BLIND   |
| 1011 | 3-688-754-11 | o SPRING, SHOE (FOR PVW-637;J)                                 |
| 1012 | 3-688-755-12 | o SHOE, ACCESSORY (FOR PVW-637;J)                              |

-----  
CHASSIS (1) BLOCK  
-----

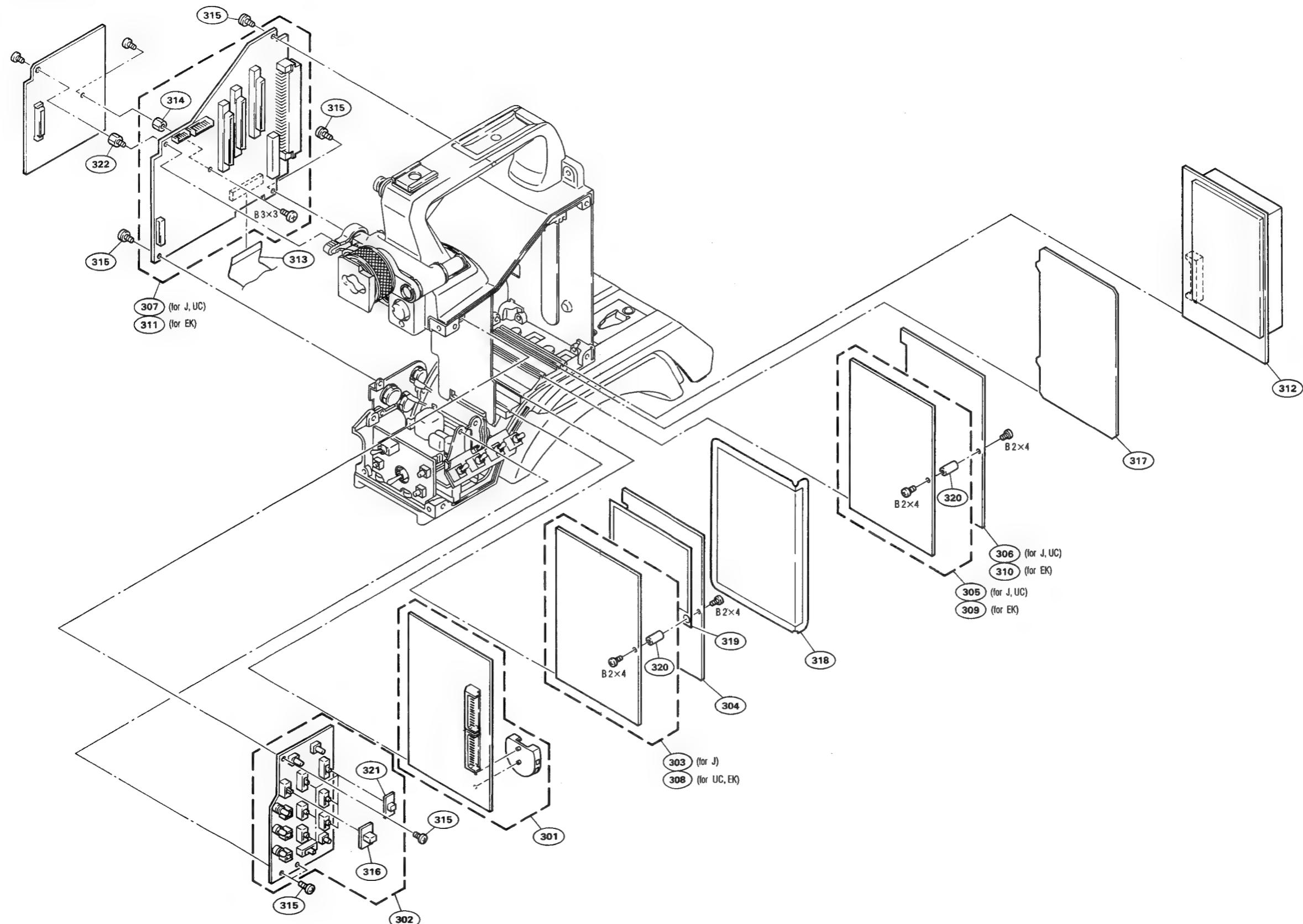
No. Part No. SP Description

201 A-7612-352-E s SHOE (A) ASSY, V  
202 A-8278-155-A o CHASSIS ASSY, BASE  
203 A-8310-947-A o MOUNTED CIRCUIT BOARD, SW-728  
204 A-8310-948-A o MOUNTED CIRCUIT BOARD, FP-68  
205 A-8310-950-A o MOUNTED CIRCUIT BOARD, PSW-30  
  
206 A-8310-959-A o MOUNTED CIRCUIT BOARD, AA-81  
207 X-3166-928-1 s SHOE ASSY, STOPPER  
208 1-507-858-31 o JACK, PIN 1P "MONITOR OUT"  
209 1-561-781-11 s CONNECTOR, BNC "VIDEO OUT"  
210 1-562-782-21 s CONNECTOR, 10P FEMALE "REMOTE"  
  
211 1-563-947-11 s CONNECTOR, 12P FEMALE "LENS"  
212 1-954-549-12 o HARNESS, SUB (LENS)  
213 1-954-550-13 o HARNESS, SUB (CNP)  
214 3-175-715-02 s SCREW, FITTING, ADAPTOR  
215 3-178-214-01 s SCREW (M3X6), +B  
  
216 3-566-903-02 s SPRING  
217 3-686-179-01 o PB RAIL, LOWER  
218 3-686-181-01 o BRACKET, SW724  
219 3-686-257-01 s PAD, SHOULDER  
220 3-687-193-01 o SPRING 1  
  
221 3-687-194-01 o SPRING 2  
222 3-710-002-01 o BRACKET  
223 3-711-703-01 o STOPPER  
224 3-716-391-01 o WEDGE, MOUNTING  
225 3-729-065-04 s SHOE (A), CAMERA  
  
226 3-892-114-00 s RING (DIA. 3), O  
227 4-924-260-01 o BOSS (D)

## CHASSIS (1) BLOCK



## PRINTED CIRCUIT BOARD



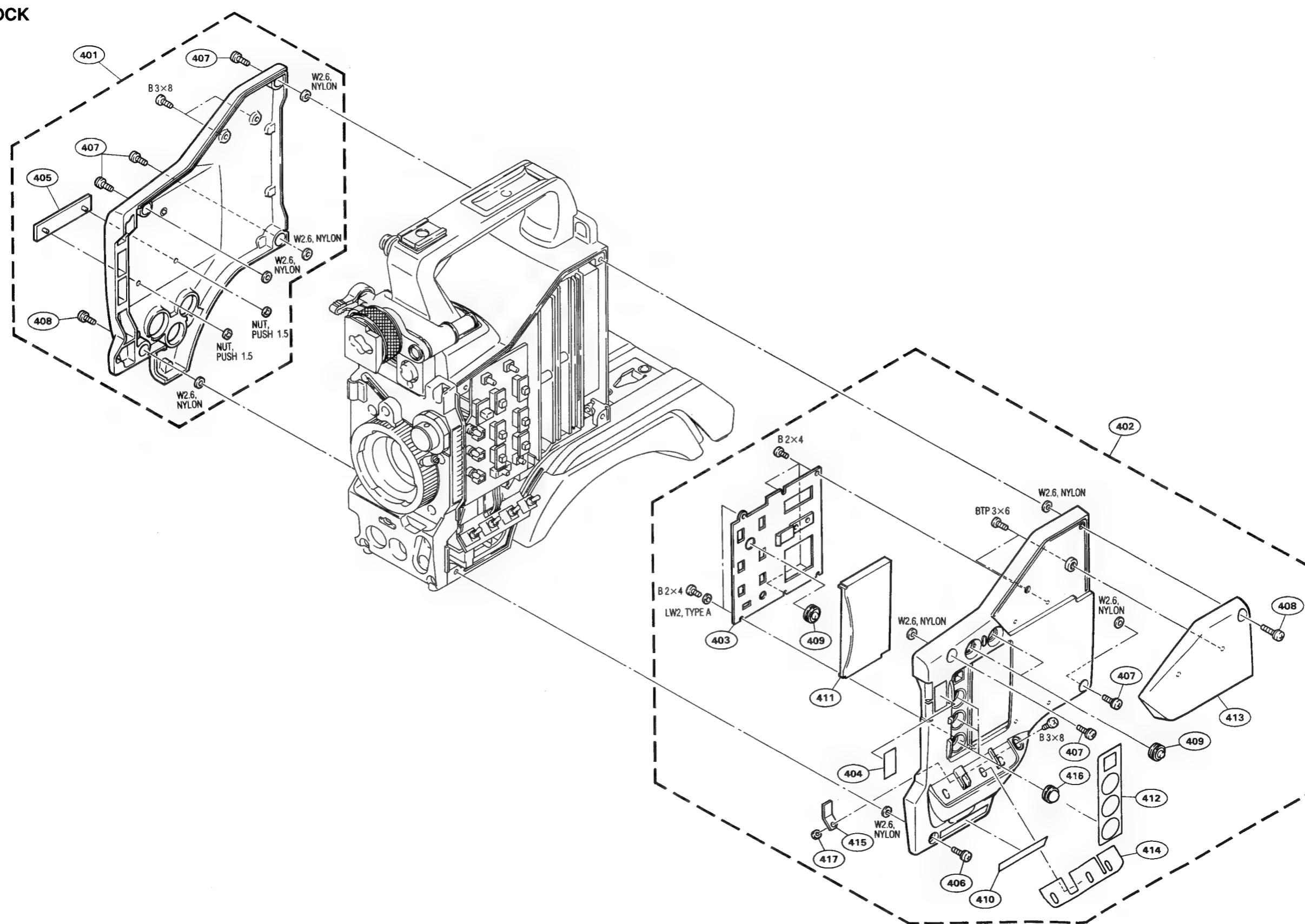
-----  
PRINTED CIRCUIT BOARD  
-----

| No. | Part No.     | SP Description   |
|-----|--------------|--|
| 301 | A-8310-952-A | o MOUNTED CIRCUIT BOARD, AT-93                               |
| 302 | A-8310-953-A | o MOUNTED CIRCUIT BOARD, SW-724                              |
| 303 | A-8310-954-A | o MOUNTED CIRCUIT BOARD, PR-209<br>(FOR DXC-637;UC)          |
| 304 | A-8310-955-A | o MOUNTED CIRCUIT BOARD, IE-47                               |
| 305 | A-8310-956-A | o MOUNTED CIRCUIT BOARD, EN-122 (N)<br>(FOR DXC-637)         |
| 306 | A-8310-957-A | o MOUNTED CIRCUIT BOARD, SG-232 (N)<br>(FOR DXC-637)         |
| 307 | A-8310-958-A | o MOUNTED CIRCUIT BOARD, MB-597 (N)<br>(FOR DXC-637)         |
| 308 | A-8310-968-A | o MOUNTED CIRCUIT BOARD, PR-209<br>(FOR DXC-637:J, DXC-637P) |
| 309 | A-8310-976-A | o MOUNTED CIRCUIT BOARD, EN-122 (P)<br>(FOR DXC-637P)        |
| 310 | A-8310-977-A | o MOUNTED CIRCUIT BOARD, SG-232 (P)<br>(FOR DXC-637P)        |
| 311 | A-8310-978-A | o MOUNTED CIRCUIT BOARD, MB-597 (P)<br>(FOR DXC-637P)        |
| 312 | 1-473-244-11 | s CONVERTER UNIT, DC-DC                                      |
| 313 | 1-769-710-11 | o CABLE, FLAT (1 MM)   |
| 314 | 2-280-622-01 | o SUPPORT(M3), HEXAGON                                       |
| 315 | 3-178-214-01 | s SCREW (M3X6), +B   |
| 316 | 3-686-186-01 | o KNOB, MODE-SW  |
| 317 | 3-686-199-02 | o PLATE, SHIELD-PS   |
| 318 | 3-686-256-02 | o PLATE, SHIELD2   |
| 319 | 3-687-169-01 | o PLATE, IE-SHIELD   |
| 320 | 3-699-005-01 | o SUPPORT, TG-18   |
| 321 | 3-717-900-01 | o KNOB(A) (TC), SW   |
| 322 | 4-924-260-01 | o BOSS (D)   |

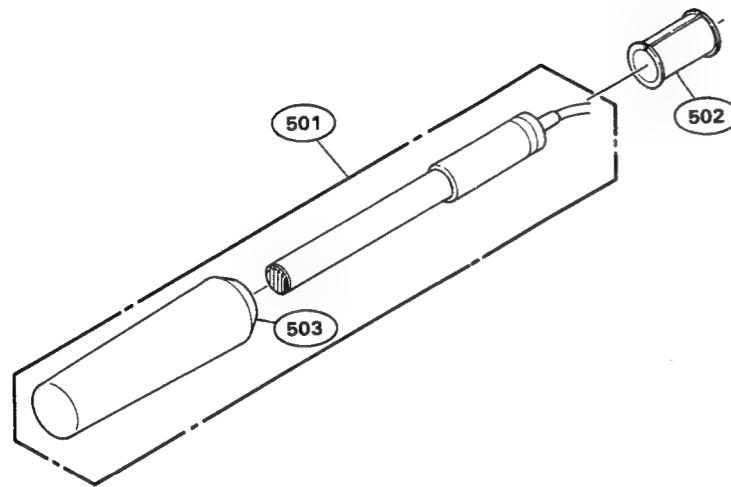
-----  
CHASSIS (2) BLOCK  
-----

| No. | Part No.     | SP Description            |
|-----|--------------|---------------------------|
| 401 | A-8278-151-A | o PANEL ASSY, LEFT        |
| 402 | A-8278-152-B | o PANEL ASSY, RIGHT       |
| 403 | X-3678-272-1 | o PLATE ASSY              |
| 404 | 3-174-408-01 | o LABEL, FILTER           |
| 405 | 3-176-138-01 | o EMBLEM, HYPER HAD       |
| 406 | 3-178-213-11 | s SCREW (M3X8), +B        |
| 407 | 3-178-213-21 | s SCREW (M3X10), +B       |
| 408 | 3-178-213-41 | s SCREW (M3X14), +B       |
| 409 | 3-676-244-00 | s COVER, SWITCH           |
| 410 | 3-686-188-01 | o LABEL, POWER            |
| 411 | 3-686-189-02 | o LID, SIDE               |
| 412 | 3-686-190-01 | o PLATE, ATW-SW           |
| 413 | 3-686-194-01 | s PAD, SIDE               |
| 414 | 3-686-255-01 | o PLATE, GAIN-SW          |
| 415 | 3-686-262-01 | o PLATE, LOCK             |
| 416 | 3-686-268-01 | s COVER 2, SW             |
| 417 | 3-942-866-01 | s NUT (M3) (3X0.5), NYLON |

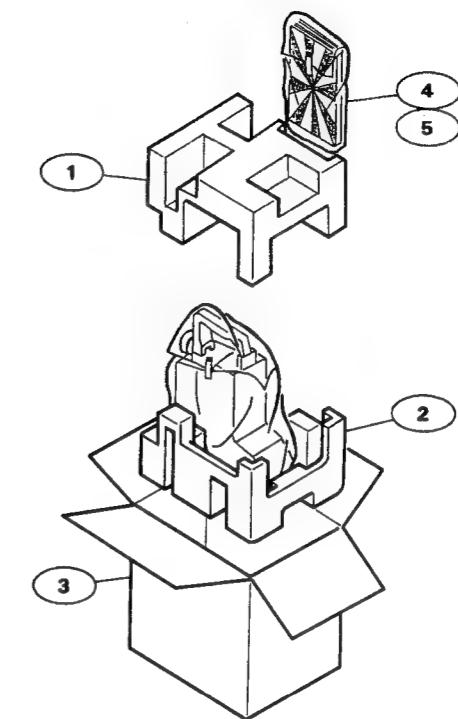
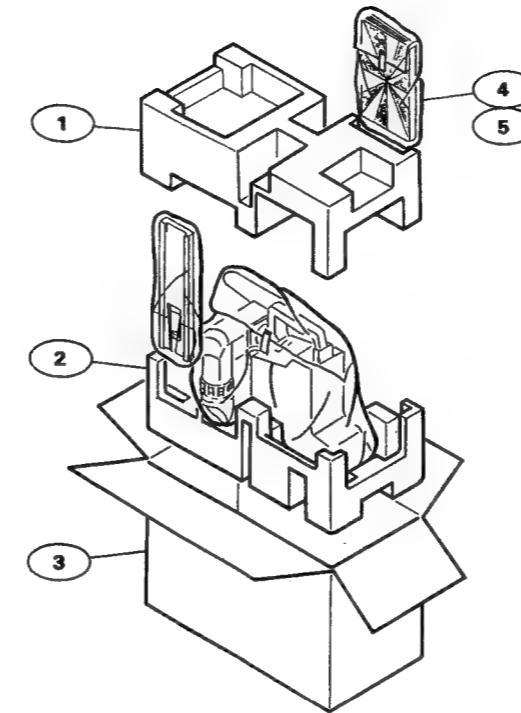
## CHASSIS (2) BLOCK



## MICROPHONE



## PACKING MATERIAL AND ACCESSORIES



## MICROPHONE

| No. | Part No.     | SP Description       |
|-----|--------------|----------------------|
| 501 | 1-542-233-11 | o MICROPHONE         |
| 502 | 3-179-882-01 | o SPACER, MICROPHONE |
| 503 | 3-708-875-01 | s SCREEN, WIND       |

## DXC-637K/637PK

| No. | Part No.     | SP Description                      |
|-----|--------------|-------------------------------------|
| 1   | 3-687-064-01 | o CUSHION(TOP)                      |
| 2   | 3-687-069-01 | o CUSHION(BOTTOM)                   |
| 3   | 3-687-065-01 | o INDIVIDUAL CARTON (FOR DXC-637K)  |
| 3   | 3-687-066-01 | o INDIVIDUAL CARTON (FOR DXC-637PK) |
| 4   | 3-764-889-01 | o CHART, ADJUSTMENT                 |
| 5   | 3-798-644-01 | s MANUAL, INSTRUCTION (JAPANESE)    |
|     | 3-798-644-21 | s MANUAL, INSTRUCTION (ENGLISH)     |
|     | 3-798-644-31 | s MANUAL, INSTRUCTION (FRENCH)      |
|     | 3-798-644-41 | s MANUAL, INSTRUCTION (GERMAN)      |
|     | 3-798-644-51 | s MANUAL, INSTRUCTION (ITALIAN)     |
|     | 3-798-644-61 | s MANUAL, INSTRUCTION (CHINESE)     |

## DXC-637L/637PL

| No. | Part No.     | SP Description                      |
|-----|--------------|-------------------------------------|
| 1   | 3-687-064-01 | o CUSHION(TOP)                      |
| 2   | 3-687-069-01 | o CUSHION(BOTTOM)                   |
| 3   | 3-687-067-01 | o INDIVIDUAL CARTON (FOR DXC-637L)  |
| 3   | 3-687-068-01 | o INDIVIDUAL CARTON (FOR DXC-637PL) |
| 4   | 3-764-889-01 | o CHART, ADJUSTMENT                 |
| 5   | 3-798-644-01 | s MANUAL, INSTRUCTION (JAPANESE)    |
|     | 3-798-644-21 | s MANUAL, INSTRUCTION (ENGLISH)     |
|     | 3-798-644-31 | s MANUAL, INSTRUCTION (FRENCH)      |
|     | 3-798-644-41 | s MANUAL, INSTRUCTION (GERMAN)      |
|     | 3-798-644-51 | s MANUAL, INSTRUCTION (ITALIAN)     |
|     | 3-798-644-61 | s MANUAL, INSTRUCTION (CHINESE)     |

## ELECTRICAL PARTS

### RESISTOR, CHIP METAL

#### Part No. SP Description

1-218-648-11 s RES, CHIP METAL 15 0.50% 1/16W  
 1-218-650-11 s RES, CHIP METAL 18 0.50% 1/16W  
 1-218-651-11 s RES, CHIP METAL 20 0.50% 1/16W  
 1-218-653-11 s RES, CHIP METAL 24 0.50% 1/16W  
 1-218-655-11 s RES, CHIP METAL 30 0.50% 1/16W

1-218-659-11 s RES, CHIP METAL 43 0.50% 1/16W  
 1-218-660-11 s RES, CHIP METAL 47 0.50% 1/16W  
 1-218-661-11 s RES, CHIP METAL 51 0.50% 1/16W  
 1-218-663-11 s RES, CHIP METAL 62 0.50% 1/16W  
 1-218-664-11 s RES, CHIP METAL 68 0.50% 1/16W

1-218-668-11 s RES, CHIP METAL 100 0.50% 1/16W  
 1-218-670-11 s RES, CHIP METAL 120 0.50% 1/16W  
 1-218-671-11 s RES, CHIP METAL 130 0.50% 1/16W  
 1-218-672-11 s RES, CHIP METAL 150 0.50% 1/16W  
 1-218-675-11 s RES, CHIP METAL 200 0.50% 1/16W

1-218-676-11 s RES, CHIP METAL 220 0.50% 1/16W  
 1-218-677-11 s RES, CHIP METAL 240 0.50% 1/16W  
 1-218-679-11 s RES, CHIP METAL 300 0.50% 1/16W  
 1-218-680-11 s RES, CHIP METAL 330 0.50% 1/16W  
 1-218-684-11 s RES, CHIP METAL 470 0.50% 1/16W

1-218-688-11 s RES, CHIP METAL 680 0.50% 1/16W  
 1-218-692-11 s RES, CHIP METAL 1K 0.50% 1/16W  
 1-218-694-11 s RES, CHIP METAL 1.2K 0.50% 1/16W  
 1-218-695-11 s RES, CHIP METAL 1.3K 0.50% 1/16W  
 1-218-697-11 s RES, CHIP METAL 1.6K 0.50% 1/16W

1-218-698-11 s RES, CHIP METAL 1.8K 0.50% 1/16W  
 1-218-699-11 s RES, CHIP METAL 2K 0.50% 1/16W  
 1-218-700-11 s RES, CHIP METAL 2.2K 0.50% 1/16W  
 1-218-701-11 s RES, CHIP METAL 2.4K 0.50% 1/16W  
 1-218-702-11 s RES, CHIP METAL 2.7K 0.50% 1/16W

1-218-704-11 s RES, CHIP METAL 3.3K 0.50% 1/16W  
 1-218-705-11 s RES, CHIP METAL 3.6K 0.50% 1/16W  
 1-218-706-11 s RES, CHIP METAL 3.9K 0.50% 1/16W  
 1-218-707-11 s RES, CHIP METAL 4.3K 0.50% 1/16W  
 1-218-708-11 s RES, CHIP METAL 4.7K 0.50% 1/16W

1-218-710-11 s RES, CHIP METAL 5.6K 0.50% 1/16W  
 1-218-714-11 s RES, CHIP METAL 8.2K 0.50% 1/16W  
 1-218-716-11 s RES, CHIP METAL 10K 0.50% 1/16W  
 1-218-717-11 s RES, CHIP METAL 11K 0.50% 1/16W  
 1-218-720-11 s RES, CHIP METAL 15K 0.50% 1/16W

1-218-721-11 s RES, CHIP METAL 16K 0.50% 1/16W  
 1-218-722-11 s RES, CHIP METAL 18K 0.50% 1/16W  
 1-218-723-11 s RES, CHIP METAL 20K 0.50% 1/16W  
 1-218-724-11 s RES, CHIP METAL 22K 0.50% 1/16W  
 1-218-725-11 s RES, CHIP METAL 24K 0.50% 1/16W

1-218-727-11 s RES, CHIP METAL 30K 0.50% 1/16W  
 1-218-729-11 s RES, CHIP METAL 36K 0.50% 1/16W  
 1-218-730-11 s RES, CHIP METAL 39K 0.50% 1/16W  
 1-218-732-11 s RES, CHIP METAL 47K 0.50% 1/16W  
 1-218-733-11 s RES, CHIP METAL 51K 0.50% 1/16W

### RESISTOR, CHIP METAL

#### Part No. SP Description

1-218-734-11 s RES, CHIP METAL 56K 0.50% 1/16W  
 1-218-735-11 s RES, CHIP METAL 62K 0.50% 1/16W  
 1-218-736-11 s RES, CHIP METAL 68K 0.50% 1/16W  
 1-218-738-11 s RES, CHIP METAL 82K 0.50% 1/16W  
 1-218-739-11 s RES, CHIP METAL 91K 0.50% 1/16W

1-218-740-11 s RES, CHIP METAL 100K 0.50% 1/16W  
 1-218-741-11 s RES, CHIP METAL 110K 0.50% 1/16W  
 1-218-743-11 s RES, CHIP METAL 130K 0.50% 1/16W  
 1-218-744-11 s RES, CHIP METAL 150K 0.50% 1/16W  
 1-218-745-11 s RES, CHIP METAL 160K 0.50% 1/16W

1-218-746-11 s RES, CHIP METAL 180K 0.50% 1/16W  
 1-218-747-11 s RES, CHIP METAL 200K 0.50% 1/16W  
 1-218-748-11 s RES, CHIP METAL 220K 0.50% 1/16W  
 1-218-749-11 s RES, CHIP METAL 240K 0.50% 1/16W  
 1-218-750-11 s RES, CHIP METAL 270K 0.50% 1/16W

1-218-751-11 s RES, CHIP METAL 300K 0.50% 1/16W  
 1-218-752-11 s RES, CHIP METAL 330K 0.50% 1/16W

## AA-81 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                 |
|---------------------|--------------|--------------------------------|
| 1pc                 | A-8310-959-A | o MOUNTED CIRCUIT BOARD, AA-81 |
| C1                  | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C2                  | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C3                  | 1-104-551-11 | s FILM 0.01uF 5% 16V           |
| C4                  | 1-104-551-11 | s FILM 0.01uF 5% 16V           |
| C5                  | 1-164-232-11 | s CERAMIC, CHIP 0.01uF 10% 50V |
| C6                  | 1-126-393-11 | s ELECT 33uF 20% 10V           |
| C7                  | 1-126-393-11 | s ELECT 33uF 20% 10V           |
| C8                  | 1-126-338-11 | s ELECT 47uF 20% 63V           |
| C9                  | 1-137-401-11 | s FILM 0.22uF 5% 100V          |
| C10                 | 1-137-401-11 | s FILM 0.22uF 5% 100V          |
| C11                 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V      |
| C12                 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V      |
| C13                 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V      |
| C14                 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V      |
| C15                 | 1-163-038-91 | s CERAMIC 0.1uF 25V            |
| C16                 | 1-161-900-11 | s CERAMIC 1uF 50V              |
| CN1                 | 1-506-469-11 | s CONNECTOR, 4P, MALE          |
| CN2                 | 1-564-014-11 | s CONNECTOR 4P, MALE           |
| CN3                 | 1-506-473-11 | o CONNECTOR, 8P, MALE          |
| CN4                 | 1-564-002-11 | s PIN, CONNECTOR 3P            |
| CN5                 | 1-568-801-11 | s CONNECTOR, FPC (ZIF), 24P    |
| CN6                 | 1-506-468-11 | s CONNECTOR, 3P, MALE          |
| D1                  | 8-719-800-76 | s DIODE 1SS226                 |
| D2                  | 8-719-800-76 | s DIODE 1SS226                 |
| FB1                 | 1-543-775-11 | s FILTER, EMI                  |
| FB2                 | 1-543-775-11 | s FILTER, EMI                  |
| FB3                 | 1-543-775-11 | s FILTER, EMI                  |
| FB4                 | 1-543-775-11 | s FILTER, EMI                  |
| IC1                 | 8-759-209-57 | s IC TC4S69F                   |
| IC2                 | 8-759-076-06 | s IC TL064CPW                  |
| IC3                 | 8-759-700-09 | s IC NJM2043M-D                |
| IC4                 | 8-759-082-61 | s IC TC4W53FU                  |
| IC5                 | 8-759-082-61 | s IC TC4W53FU                  |
| IC6                 | 8-759-082-61 | s IC TC4W53FU                  |
| IC7                 | 8-759-082-61 | s IC TC4W53FU                  |
| L1                  | 1-410-369-11 | s INDUCTOR CHIP 1uH            |
| Q1                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6      |
| Q2                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6      |
| Q3                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6      |
| Q4                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6      |
| Q5                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6      |
| Q6                  | 8-729-905-24 | s TRANSISTOR 2SA1576S          |
| Q7                  | 8-729-905-24 | s TRANSISTOR 2SA1576S          |
| R2                  | 1-216-017-00 | s METAL, CHIP 47 5% 1/10W      |
| R3                  | 1-216-017-00 | s METAL, CHIP 47 5% 1/10W      |
| R4                  | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W     |
| R5                  | 1-208-806-11 | s METAL 10K 0.50% 1/10W        |
| R6                  | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W     |
| R7                  | 1-216-051-00 | s METAL, CHIP 1.2K 5% 1/10W    |
| R8                  | 1-216-105-91 | s METAL 220K 5% 1/10W          |
| R9                  | 1-208-806-11 | s METAL 10K 0.50% 1/10W        |
| R10                 | 1-216-611-11 | s METAL, CHIP 22 0.5% 1/10W    |
| R11                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W        |

## (AA-81 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description                |
|---------------------|--------------|-------------------------------|
| R12                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W       |
| R13                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W       |
| R14                 | 1-216-611-11 | s METAL, CHIP 22 0.5% 1/10W   |
| R15                 | 1-216-057-00 | s METAL, CHIP 2.2K 5% 1/10W   |
| R16                 | 1-216-671-11 | s METAL, CHIP 6.8K 0.5% 1/10W |
| R17                 | 1-216-671-11 | s METAL, CHIP 6.8K 0.5% 1/10W |
| R18                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W       |
| R19                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W       |
| R20                 | 1-216-025-91 | s METAL 100 5% 1/10W          |
| R21                 | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R22                 | 1-216-665-11 | s METAL, CHIP 3.9K 0.5% 1/10W |
| R23                 | 1-216-676-11 | s METAL, CHIP 11K 0.5% 1/10W  |
| R24                 | 1-216-025-91 | s METAL 100 5% 1/10W          |
| R25                 | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R26                 | 1-216-665-11 | s METAL, CHIP 3.9K 0.5% 1/10W |
| R27                 | 1-216-676-11 | s METAL, CHIP 11K 0.5% 1/10W  |
| R28                 | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W    |
| R29                 | 1-216-025-91 | s METAL 100 5% 1/10W          |
| R30                 | 1-216-025-91 | s METAL 100 5% 1/10W          |
| R31                 | 1-216-057-00 | s METAL, CHIP 2.2K 5% 1/10W   |
| R32                 | 1-216-057-00 | s METAL, CHIP 2.2K 5% 1/10W   |
| R33                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W       |
| R34                 | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R35                 | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R36                 | 1-216-041-00 | s METAL, CHIP 470 5% 1/10W    |
| R38                 | 1-216-295-00 | s METAL 0 5% 1/10W            |
| R39                 | 1-216-115-00 | s METAL, CHIP 560K 5% 1/10W   |
| R40                 | 1-216-049-91 | s METAL 1K 5% 1/10W           |
| RV1                 | 1-237-035-11 | s RES, ADJ, METAL 5K          |
| T1                  | 1-427-487-00 | s TRANSFORMER, OUTPUT         |

Please see page D-13 for the part numbers of resistor that is not the parts list.

## AT-93 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                  |
|---------------------|--------------|---------------------------------|
| 1pc                 | A-8310-952-A | o MOUNTED CIRCUIT BOARD, AT-93  |
| 2pcs                | 7-627-554-27 | s SCREW, PRECITION +P 2X6 TYPE1 |
| BT1                 | 1-550-414-31 | s HOLDER, BATTERY               |
| C1                  | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C2                  | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C3                  | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V    |
| C4                  | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V      |
| C5                  | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C6                  | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V     |
| C7                  | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V     |
| C8                  | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V     |
| C9                  | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C10                 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C11                 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C12                 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C13                 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C14                 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C15                 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C16                 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C17                 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C18                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C19                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C20                 | 1-104-917-11 | s TANTALUM 15uF 20% 20V         |
| C21                 | 1-135-210-11 | s TANTALUM 4.7uF 10% 10V        |
| C24                 | 1-126-395-11 | s ELECT, CHIP 22uF 20% 16V      |
| C25                 | 1-126-391-11 | s ELECT, CHIP 47uF 20% 6.3V     |
| C26                 | 1-126-391-11 | s ELECT, CHIP 47uF 20% 6.3V     |
| C27                 | 1-135-165-11 | s TANTALUM, CHIP 33uF 10% 16V   |
| C28                 | 1-135-165-11 | s TANTALUM, CHIP 33uF 10% 16V   |
| C29                 | 1-135-165-11 | s TANTALUM, CHIP 33uF 10% 16V   |
| C30                 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C31                 | 1-104-551-11 | s FILM 0.01uF 5% 16V            |
| C32                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C33                 | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V    |
| C34                 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V    |
| C35                 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V    |
| C36                 | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V    |
| C37                 | 1-126-395-11 | s ELECT, CHIP 22uF 20% 16V      |
| C38                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V     |
| C39                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V     |
| C41                 | 1-126-395-11 | s ELECT, CHIP 22uF 20% 16V      |
| C42                 | 1-126-391-11 | s ELECT, CHIP 47uF 20% 6.3V     |
| C43                 | 1-164-315-11 | s CERAMIC 470PF 5% 50V          |
| C44                 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V    |
| C45                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C46                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C47                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V     |
| C48                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C49                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C50                 | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V      |
| C51                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V      |
| C52                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V      |
| C53                 | 1-126-392-11 | s ELECT, CHIP 100uF 20% 6.3V    |
| C54                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V     |
| C55                 | 1-162-957-11 | s CERAMIC 220PF 5% 50V          |
| C58                 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C60                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C61                 | 1-162-920-11 | s CERAMIC, CHIP 27PF 5% 50V     |

## (AT-93 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description                  |
|---------------------|--------------|---------------------------------|
| C62                 | 1-162-920-11 | s CERAMIC, CHIP 27PF 5% 50V     |
| CN1                 | 1-691-856-11 | s CONNECTOR, BOARD TO BOARD 60P |
| CN2                 | 1-766-790-11 | o CONNECTOR 12P                 |
| CN3                 | 1-766-790-11 | o CONNECTOR 12P                 |
| CV1                 | 1-141-424-11 | s CAP, ADJ                      |
| D1                  | 8-719-404-35 | s DIODE MA141WK                 |
| D2                  | 8-719-974-76 | s DIODE HSM107S                 |
| D3                  | 8-719-974-76 | s DIODE HSM107S                 |
| D4                  | 8-719-404-35 | s DIODE MA141WK                 |
| D5                  | 8-719-800-76 | s DIODE 1SS226                  |
| D6                  | 8-719-800-76 | s DIODE 1SS226                  |
| D7                  | 8-719-974-76 | s DIODE HSM107S                 |
| D8                  | 8-719-974-76 | s DIODE HSM107S                 |
| D9                  | 8-719-974-76 | s DIODE HSM107S                 |
| D10                 | 8-719-800-76 | s DIODE 1SS226                  |
| D11                 | 8-719-974-76 | s DIODE HSM107S                 |
| D12                 | 8-719-974-76 | s DIODE HSM107S                 |
| D13                 | 8-719-404-35 | s DIODE MA141WK                 |
| D14                 | 8-719-404-35 | s DIODE MA141WK                 |
| IC1                 | 8-759-234-20 | s IC TC7S08F                    |
| IC2                 | 8-759-234-20 | s IC TC7S08F                    |
| IC3                 | 8-759-065-20 | s IC RTC-4553B                  |
| IC5                 | 8-759-940-45 | s IC S-8054HN-CB                |
| IC6                 | 8-759-086-42 | s IC X24C02S-3.0-C7000          |
| IC7                 | 8-759-347-93 | s IC HD6475368SF-DXC6372        |
| IC8                 | 8-759-078-75 | s IC UPD6453GT-610              |
| IC9                 | 8-759-278-11 | s IC TC4051BFS(EL)              |
| IC11                | 8-759-066-61 | s IC TC4053BFS                  |
| IC12                | 8-759-089-61 | s IC TC74HC4052AFS(EL)          |
| IC14                | 8-759-066-61 | s IC TC4053BFS                  |
| IC15                | 8-759-173-16 | s IC TL062CPW                   |
| IC16                | 8-759-076-06 | s IC TL064CPW                   |
| IC17                | 8-759-035-90 | s IC SC7S02FEL                  |
| IC18                | 8-759-234-20 | s IC TC7S08F                    |
| IC19                | 8-759-242-64 | s IC TC4W53F                    |
| IC20                | 8-759-700-07 | s IC NJM2903M                   |
| IC21                | 8-759-209-90 | s IC TC4S71F                    |
| L1                  | 1-410-387-11 | s INDUCTOR CHIP 33uH            |
| L2                  | 1-410-387-11 | s INDUCTOR CHIP 33uH            |
| L3                  | 1-410-387-11 | s INDUCTOR CHIP 33uH            |
| L5                  | 1-410-387-11 | s INDUCTOR CHIP 33uH            |
| L6                  | 1-410-385-11 | s INDUCTOR, CHIP 22uH           |
| Q1                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6       |
| Q2                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6       |
| Q3                  | 8-729-402-19 | s TRANSISTOR XN6501             |
| Q4                  | 8-729-402-19 | s TRANSISTOR XN6501             |
| Q5                  | 8-729-402-19 | s TRANSISTOR XN6501             |
| Q6                  | 8-729-402-19 | s TRANSISTOR XN6501             |
| Q7                  | 8-729-905-24 | s TRANSISTOR 2SA1576S           |
| Q8                  | 8-729-905-24 | s TRANSISTOR 2SA1576S           |
| Q9                  | 8-729-905-24 | s TRANSISTOR 2SA1576S           |
| Q10                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6       |
| Q11                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6       |
| Q12                 | 8-729-402-19 | s TRANSISTOR XN6501             |
| Q13                 | 8-729-402-19 | s TRANSISTOR XN6501             |
| Q14                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6       |
| Q15                 | 8-729-402-84 | s TRANSISTOR XN4601             |

## (AT-93 BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| Q16                 | 8-729-402-84 s | TRANSISTOR XN4601         |
| Q17                 | 8-729-109-44 s | TRANSISTOR 2SK94          |
| Q18                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6   |
| Q19                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6   |
| Q20                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6   |
| Q21                 | 8-729-905-24 s | TRANSISTOR 2SA1576S       |
| Q22                 | 8-729-402-19 s | TRANSISTOR XN6501         |
| Q23                 | 8-729-403-32 s | TRANSISTOR XN6534         |
| Q24                 | 8-729-143-13 s | TRANSISTOR 2SC4176-B34    |
| Q25                 | 8-729-905-24 s | TRANSISTOR 2SA1576S       |
| Q26                 | 8-729-402-84 s | TRANSISTOR XN4601         |
| Q27                 | 8-729-905-24 s | TRANSISTOR 2SA1576S       |
| R1                  | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W  |
| R2                  | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W  |
| R3                  | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R4                  | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W  |
| R5                  | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W  |
| R6                  | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R7                  | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W   |
| R8                  | 1-216-835-11 s | METAL, CHIP 15K 5% 1/16W  |
| R11                 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R12                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R13                 | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W  |
| R15                 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W  |
| R16                 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W  |
| R17                 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W  |
| R18                 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W  |
| R19                 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W  |
| R23                 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W  |
| R24                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R25                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R26                 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W  |
| R27                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R28                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R29                 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R30                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R31                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R32                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R33                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R34                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R35                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R36                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R37                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R38                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R39                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R40                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R41                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R42                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R43                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R44                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R45                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R46                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R47                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R48                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R62                 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R63                 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W  |
| R64                 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R68                 | 1-216-830-11 s | METAL, CHIP 5.6K 5% 1/16W |

## (AT-93 BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| R69                 | 1-216-830-11 s | METAL, CHIP 5.6K 5% 1/16W |
| R70                 | 1-216-830-11 s | METAL, CHIP 5.6K 5% 1/16W |
| R71                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R72                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R73                 | 1-216-830-11 s | METAL, CHIP 5.6K 5% 1/16W |
| R74                 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R75                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R76                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R77                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R79                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R80                 | 1-216-824-11 s | METAL, CHIP 1.8K 5% 1/16W |
| R81                 | 1-216-822-11 s | METAL, CHIP 1.2K 5% 1/16W |
| R82                 | 1-216-825-11 s | METAL, CHIP 2.2K 5% 1/16W |
| R83                 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R84                 | 1-216-817-11 s | METAL, CHIP 470 5% 1/16W  |
| R85                 | 1-216-819-11 s | METAL, CHIP 680 5% 1/16W  |
| R86                 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R87                 | 1-216-817-11 s | METAL, CHIP 470 5% 1/16W  |
| R88                 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R89                 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R90                 | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W  |
| R92                 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R93                 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W  |
| R94                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R95                 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R96                 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R97                 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R98                 | 1-216-814-11 s | METAL, CHIP 270 5% 1/16W  |
| R99                 | 1-216-814-11 s | METAL, CHIP 270 5% 1/16W  |
| R100                | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R101                | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W   |
| R102                | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W   |
| R103                | 1-216-832-11 s | METAL, CHIP 8.2K 5% 1/16W |
| R104                | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R105                | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R106                | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W  |
| R107                | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R108                | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R109                | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R110                | 1-216-828-11 s | METAL, CHIP 3.9K 5% 1/16W |
| R111                | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W   |
| R112                | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W  |
| R114                | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W  |
| R118                | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R119                | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W  |
| R120                | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W  |
| R121                | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R122                | 1-216-825-11 s | METAL, CHIP 2.2K 5% 1/16W |
| R123                | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W  |
| R124                | 1-218-874-11 s | METAL 13K 0.50% 1/16W     |
| R125                | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R126                | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R127                | 1-218-889-11 s | METAL 56K 0.50% 1/16W     |
| R129                | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R130                | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W  |
| R131                | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R132                | 1-216-823-11 s | METAL, CHIP 1.5K 5% 1/16W |
| R133                | 1-216-825-11 s | METAL, CHIP 2.2K 5% 1/16W |
| R134                | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |

Please see page D-13 for the part numbers of resistor that is not the parts list.

(AT-93 BOARD)

Ref. No.  
or Q'ty Part No. SP Description

R135 1-216-830-11 s METAL, CHIP 5.6K 5% 1/16W  
R136 1-216-824-11 s METAL, CHIP 1.8K 5% 1/16W  
R137 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
R138 1-216-821-11 s METAL, CHIP 1K 5% 1/16W  
R139 1-216-833-11 s METAL, CHIP 10K 5% 1/16W  
  
R140 1-216-836-11 s METAL, CHIP 18K 5% 1/16W  
R141 1-216-833-11 s METAL, CHIP 10K 5% 1/16W  
R142 1-216-832-11 s METAL, CHIP 8.2K 5% 1/16W  
R143 1-216-821-11 s METAL, CHIP 1K 5% 1/16W  
R144 1-216-833-11 s METAL, CHIP 10K 5% 1/16W  
  
R145 1-216-837-11 s METAL, CHIP 22K 5% 1/16W  
R146 1-216-833-11 s METAL, CHIP 10K 5% 1/16W  
R147 1-216-833-11 s METAL, CHIP 10K 5% 1/16W  
R148 1-216-821-11 s METAL, CHIP 1K 5% 1/16W  
R150 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W  
  
R151 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W  
R152 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W  
R154 1-216-817-11 s METAL, CHIP 470 5% 1/16W  
R155 1-216-817-11 s METAL, CHIP 470 5% 1/16W  
R156 1-216-817-11 s METAL, CHIP 470 5% 1/16W  
  
R157 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W  
R158 1-216-845-11 s METAL, CHIP 100K 5% 1/16W  
R159 1-216-845-11 s METAL, CHIP 100K 5% 1/16W  
R160 1-216-845-11 s METAL, CHIP 100K 5% 1/16W  
R161 1-216-845-11 s METAL, CHIP 100K 5% 1/16W  
  
R162 1-215-445-11 s METAL 10K 1% 1/4W  
  
X1 1-760-273-11 s CRYSTAL 20MHz

CN-1107 BOARD

Ref. No.  
or Q'ty Part No. SP Description

1pc A-8310-964-A o MOUNTED CIRCUIT BOARD, CN-1107  
1pc 1-564-831-11 o CONTACT, FEMALE  
1pc 1-569-191-11 o CONTACT, AWG22-26  
1pc 1-569-193-11 o CONTACT, AWG24-30  
1pc 1-569-201-11 o HOUSING, 8P  
  
C2 1-161-051-00 s CERAMIC 0.01uF 10% 50V  
C3 1-161-051-00 s CERAMIC 0.01uF 10% 50V  
C4 1-161-051-00 s CERAMIC 0.01uF 10% 50V  
C5 1-161-051-00 s CERAMIC 0.01uF 10% 50V  
  
CN1 1-561-320-41 s SOCKET, DIN 8P "VF"  
FL1 1-236-164-11 s ENCAPSULATED COMPONENT

CN-1173 BOARD

Ref. No.  
or Q'ty Part No. SP Description

1pc A-8310-963-A o MOUNTED CIRCUIT BOARD, CN-1173  
CN1 1-691-549-21 o CONNECTOR, 48P

CN-1106 BOARD

Ref. No.  
or Q'ty Part No. SP Description

1pc A-8310-949-A o MOUNTED CIRCUIT BOARD, CN-1106  
C1 1-161-051-00 s CERAMIC 0.01uF 10% 50V  
C2 1-161-051-00 s CERAMIC 0.01uF 10% 50V  
CN1 1-573-594-11 s CONNECTOR, XLR 3P "MIC"

## EN-122(N)/122(P) BOARD

## (EN-122(N)/122(P) BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description  | Ref. No.<br>or Q'ty | Part No.       | SP Description   |
|---------------------|----------------|---|---------------------|----------------|--|
| 1pc                 | A-8310-956-A o | OUNTED CIRCUIT BOARD, EN-122 (N)<br>[for DXC-637;J, DXC-637;UC] | C73                 | 1-126-393-11 s | ELECT 33uF 20% 10V                                       |
| 1pc                 | A-8310-976-A o | OUNTED CIRCUIT BOARD, EN-122 (P)<br>[for DXC-637P;EK]           | C74                 | 1-126-391-11 s | ELECT, CHIP 47uF 20% 6.3V                                |
| 2pcs                | 7-627-554-27 s | SCREW, PRECITION +P 2X6 TYPE1                                   | C75                 | 1-162-974-11 s | CERAMIC 0.01uF 50V                                       |
| 1pc                 | 3-699-005-01 o | SUPPORT, TG-18  | C76                 | 1-162-974-11 s | CERAMIC 0.01uF 50V                                       |
| 1pc                 | 7-621-772-18 s | SCREW +B 2X4  | C77                 | 1-162-911-11 s | CERAMIC, CHIP 6PF 50V<br>[for DXC-637;J, DXC-637;UC]     |
| C1                  | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C77                 | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V<br>[for DXC-637P;EK]           |
| C2                  | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C78                 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V<br>[for DXC-637;J, DXC-637;UC] |
| C3                  | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C78                 | 1-162-925-11 s | CERAMIC, CHIP 68PF 5% 50V<br>[for DXC-637P;EK]           |
| C4                  | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C79                 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V                                |
| C5                  | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C80                 | 1-104-913-11 s | TANTALUM 10uF 20% 16V                                    |
| C6                  | 1-126-396-11 s | ELECT, CHIP 47uF 20% 16V  | C82                 | 1-162-974-11 s | CERAMIC 0.01uF 50V                                       |
| C7                  | 1-126-393-11 s | ELECT 33uF 20% 10V  | C83                 | 1-164-156-11 s | CERAMIC 0.1uF 25V  |
| C8                  | 1-126-393-11 s | ELECT 33uF 20% 10V  | C84                 | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V                                 |
| C12                 | 1-126-394-11 s | ELECT, CHIP 10uF 20% 16V  | C85                 | 1-162-974-11 s | CERAMIC 0.01uF 50V                                       |
| C13                 | 1-126-394-11 s | ELECT, CHIP 10uF 20% 16V  | C86                 | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V                                 |
| C16                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C87                 | 1-126-393-11 s | ELECT 33uF 20% 10V                                       |
| C17                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C88                 | 1-164-156-11 s | CERAMIC 0.1uF 25V  |
| C22                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C89                 | 1-164-156-11 s | CERAMIC 0.1uF 25V  |
| C23                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C90                 | 1-162-974-11 s | CERAMIC 0.01uF 50V                                       |
| C26                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C91                 | 1-162-974-11 s | CERAMIC 0.01uF 50V                                       |
| C27                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C92                 | 1-162-974-11 s | CERAMIC 0.01uF 50V                                       |
| C30                 | 1-126-393-11 s | ELECT 33uF 20% 10V  | C93                 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V                                |
| C31                 | 1-126-393-11 s | ELECT 33uF 20% 10V  | C95                 | 1-104-913-11 s | TANTALUM 10uF 20% 16V                                    |
| C32                 | 1-126-396-11 s | ELECT, CHIP 47uF 20% 16V  | C97                 | 1-164-156-11 s | CERAMIC 0.1uF 25V  |
| C33                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C98                 | 1-162-995-11 s | CERAMIC, CHIP 0.022uF 50V                                |
| C34                 | 1-126-399-11 s | ELECT, CHIP 10uF 20% 35V  | C99                 | 1-104-913-11 s | TANTALUM 10uF 20% 16V<br>[for DXC-637;J, DXC-637;UC]     |
| C35                 | 1-162-915-11 s | CERAMIC, CHIP 10PF 5PF 50V                                      | C99                 | 1-131-353-00 s | TANTALUM 10uF 10% 35V<br>[for DXC-637P;EK]               |
| C36                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C100                | 1-162-964-11 s | CERAMIC 0.001uF 10% 50V                                  |
| C37                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C101                | 1-104-913-11 s | TANTALUM 10uF 20% 16V                                    |
| C38                 | 1-162-915-11 s | CERAMIC, CHIP 10PF 5PF 50V                                      | C102                | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V                                |
| C39                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C103                | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V                                |
| C40                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C104                | 1-162-915-11 s | CERAMIC, CHIP 10PF 5PF 50V                               |
| C41                 | 1-162-915-11 s | CERAMIC, CHIP 10PF 5PF 50V                                      | C105                | 1-162-915-11 s | CERAMIC, CHIP 10PF 5PF 50V                               |
| C42                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C106                | 1-162-915-11 s | CERAMIC, CHIP 10PF 5PF 50V                               |
| C44                 | 1-126-393-11 s | ELECT 33uF 20% 10V  | C107                | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V                                 |
| C45                 | 1-126-393-11 s | ELECT 33uF 20% 10V  | C108                | 1-135-212-21 s | TANTALUM, CHIP 2.2uF 10% 35V                             |
| C46                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C109                | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V                               |
| C47                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C110                | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V                             |
| C49                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C111                | 1-164-156-11 s | CERAMIC 0.1uF 25V  |
| C50                 | 1-165-176-11 s | CERAMIC 0.047uF 10% 16V   | C112                | 1-164-156-11 s | CERAMIC 0.1uF 25V  |
| C53                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C113                | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V<br>[for DXC-637;J, DXC-637;UC] |
| C54                 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V                                       | CN1                 | 1-691-856-11 s | CONNECTOR, BOARD TO BOARD 60P                            |
| C55                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | CN2                 | 1-770-582-11 o | CONNECTOR 30P  |
| C58                 | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V  | D1                  | 8-719-029-63 s | DIODE RD4.3UH-T1   |
| C59                 | 1-126-393-11 s | ELECT 33uF 20% 10V  | D2                  | 8-719-027-95 s | DIODE HSM88WK  |
| C60                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | D3                  | 8-719-027-95 s | DIODE HSM88WK  |
| C61                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | D4                  | 8-719-027-95 s | DIODE HSM88WK  |
| C63                 | 1-104-852-11 s | TANTALUM 22uF 20% 10V   | D5                  | 8-719-800-76 s | DIODE 1SS226   |
| C64                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | D6                  | 8-719-404-35 s | DIODE MA141WK  |
| C65                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | DL1                 | 1-411-271-21 s | DELAY LINE 155nS   |
| C66                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | DL2                 | 1-411-272-21 s | DELAY LINE 185nS   |
| C67                 | 1-126-394-11 s | ELECT, CHIP 10uF 20% 16V  |                     |                |  |
| C68                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   |                     |                |  |
| C69                 | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V  |                     |                |  |
| C70                 | 1-126-393-11 s | ELECT 33uF 20% 10V  |                     |                |  |
| C71                 | 1-126-393-11 s | ELECT 33uF 20% 10V  |                     |                |  |
| C72                 | 1-126-393-11 s | ELECT 33uF 20% 10V  |                     |                |  |

Please see page D-13 for the part numbers of resistor that is not the parts list.

(EN-122(N)/122(P) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

|      |                |                               |
|------|----------------|-------------------------------|
| IC1  | 8-759-173-16 s | IC TL062CPW                   |
| IC3  | 8-759-258-43 s | IC LT1253CS8-E2               |
| IC4  | 8-759-258-43 s | IC LT1253CS8-E2               |
| IC5  | 8-759-258-43 s | IC LT1253CS8-E2               |
| IC7  | 8-759-258-43 s | IC LT1253CS8-E2               |
| IC8  | 8-759-173-16 s | IC TL062CPW                   |
| IC9  | 8-759-082-61 s | IC TC4W53FU                   |
| IC10 | 8-759-076-06 s | IC TL064CPW                   |
| IC11 | 8-759-082-61 s | IC TC4W53FU                   |
| IC12 | 8-759-079-52 s | IC TC74VHC08FS (EL)           |
| IC14 | 8-759-066-61 s | IC TC4053BFS                  |
| IC15 | 8-759-234-20 s | IC TC7S08F                    |
| IC16 | 8-759-082-61 s | IC TC4W53FU                   |
| IC17 | 8-759-288-20 s | IC CXD8924Q                   |
| IC18 | 8-759-079-60 s | IC TC74VHC32FS (EL)           |
| IC19 | 8-759-635-27 s | IC M62352GP                   |
| IC20 | 8-759-710-24 s | IC NJM319M                    |
| IC21 | 8-759-035-90 s | IC SC7S02FEL                  |
| IC22 | 8-759-031-84 s | IC SC7S04F                    |
| IC23 | 8-759-082-61 s | IC TC4W53FU                   |
| IC25 | 8-759-031-84 s | IC SC7S04F                    |
| IC26 | 8-759-079-55 s | IC TC74VHC11FS (EL)           |
|      |                | [for DXC-637P;EK]             |
| IC27 | 8-759-173-16 s | IC TL062CPW                   |
| IC28 | 8-759-973-99 s | IC CXD1361M [for DXC-637P;EK] |
| IC29 | 8-759-071-41 s | IC CXD8154BM                  |
| IC30 | 8-759-066-61 s | IC TC4053BFS                  |
| IC31 | 8-759-082-61 s | IC TC4W53FU                   |
| IC32 | 8-759-082-61 s | IC TC4W53FU                   |
| IC33 | 8-759-209-57 s | IC TC4S69F                    |
| IC34 | 8-759-186-51 s | IC TC74VHC157F                |
| IC35 | 8-759-035-93 s | IC TC7S32F                    |
| IC36 | 8-759-234-20 s | IC TC7S08F                    |
| IC37 | 8-759-234-20 s | IC TC7S08F                    |
| L1   | 1-410-392-11 s | INDUCTOR, CHIP 82uH           |
|      |                | [for DXC-637;J, DXC-637;UC]   |
| L1   | 1-410-656-11 s | INDUCTOR CHIP 150uH           |
|      |                | [for DXC-637P;EK]             |
| L2   | 1-410-387-11 s | INDUCTOR CHIP 33uH            |
| L3   | 1-410-385-11 s | INDUCTOR, CHIP 22uH           |
| L4   | 1-410-385-11 s | INDUCTOR, CHIP 22uH           |
| Q1   | 8-729-101-07 s | TRANSISTOR 2SB798             |
| Q2   | 8-729-101-07 s | TRANSISTOR 2SB798             |
| Q3   | 8-729-402-84 s | TRANSISTOR XN4601             |
| Q4   | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6       |
| Q5   | 8-729-905-24 s | TRANSISTOR 2SA1576S           |
| Q6   | 8-729-402-78 s | TRANSISTOR XN6401             |
| Q7   | 8-729-402-78 s | TRANSISTOR XN6401             |
| Q8   | 8-729-403-32 s | TRANSISTOR XN6534             |
| Q9   | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6       |
| Q10  | 8-729-905-24 s | TRANSISTOR 2SA1576S           |
| Q11  | 8-729-402-78 s | TRANSISTOR XN6401             |
| Q12  | 8-729-402-78 s | TRANSISTOR XN6401             |
| Q13  | 8-729-403-32 s | TRANSISTOR XN6534             |
| Q14  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6       |
| Q15  | 8-729-905-24 s | TRANSISTOR 2SA1576S           |
| Q16  | 8-729-402-78 s | TRANSISTOR XN6401             |
| Q17  | 8-729-402-78 s | TRANSISTOR XN6401             |

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Ref. No.  
or Q'ty Part No. SP Description

|      |                |                         |
|------|----------------|-------------------------|
| Q18  | 8-729-403-32 s | TRANSISTOR XN6534       |
| Q19  | 8-729-402-78 s | TRANSISTOR XN6401       |
| Q20  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q21  | 8-729-402-19 s | TRANSISTOR XN6501       |
| Q22  | 8-729-402-19 s | TRANSISTOR XN6501       |
| Q23  | 8-729-402-78 s | TRANSISTOR XN6401       |
| Q24  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q25  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q26  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q27  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q28  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q29  | 8-729-402-84 s | TRANSISTOR XN4601       |
| Q30  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q31  | 8-729-402-84 s | TRANSISTOR XN4601       |
| Q32  | 8-729-402-84 s | TRANSISTOR XN4601       |
| Q33  | 8-729-402-84 s | TRANSISTOR XN4601       |
| Q35  | 8-729-905-24 s | TRANSISTOR 2SA1576S     |
| Q36  | 8-729-905-24 s | TRANSISTOR 2SA1576S     |
| Q37  | 8-729-905-24 s | TRANSISTOR 2SA1576S     |
| Q38  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q39  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q40  | 8-729-402-19 s | TRANSISTOR XN6501       |
| Q41  | 8-729-905-24 s | TRANSISTOR 2SA1576S     |
| Q42  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q43  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q44  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q45  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q46  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q47  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q48  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q49  | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| R1   | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W  |
| R9   | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W  |
| R11  | 1-218-846-11 s | METAL 910 0.50% 1/16W   |
| R15  | 1-211-990-11 s | METAL 75 0.50% 1/16W    |
| R20  | 1-211-990-11 s | METAL 75 0.50% 1/16W    |
| R23  | 1-218-844-11 s | METAL 750 0.50% 1/16W   |
| R24  | 1-218-844-11 s | METAL 750 0.50% 1/16W   |
| R29  | 1-218-844-11 s | METAL 750 0.50% 1/16W   |
| R30  | 1-218-844-11 s | METAL 750 0.50% 1/16W   |
| R36  | 1-218-844-11 s | METAL 750 0.50% 1/16W   |
| R38  | 1-211-990-11 s | METAL 75 0.50% 1/16W    |
| R44  | 1-211-990-11 s | METAL 75 0.50% 1/16W    |
| R45  | 1-211-990-11 s | METAL 75 0.50% 1/16W    |
| R46  | 1-211-990-11 s | METAL 75 0.50% 1/16W    |
| R56  | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W  |
| R66  | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W  |
| R77  | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W  |
| R81  | 1-218-886-11 s | METAL 43K 0.50% 1/16W   |
| R82  | 1-218-886-11 s | METAL 43K 0.50% 1/16W   |
| R85  | 1-218-846-11 s | METAL 910 0.50% 1/16W   |
| R100 | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W  |
| R104 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W  |
| R105 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W  |
| R115 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R141 | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W  |

(EN-122(N)/122(P) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

R142 1-218-883-11 s METAL 33K 0.50% 1/16W  
 R146 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
 R147 1-218-883-11 s METAL 33K 0.50% 1/16W  
 R151 1-218-883-11 s METAL 33K 0.50% 1/16W  
 R166 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R169 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R171 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R172 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]  
 R175 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]  
 R176 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R177 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R178 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]  
 R179 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R182 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R185 1-218-868-11 s METAL 7.5K 0.50% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R185 1-218-883-11 s METAL 33K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R187 1-218-874-11 s METAL 13K 0.50% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R187 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R188 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R189 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R191 1-218-868-11 s METAL 7.5K 0.50% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R191 1-218-883-11 s METAL 33K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R193 1-218-874-11 s METAL 13K 0.50% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R193 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R194 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R195 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R197 1-218-868-11 s METAL 7.5K 0.50% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R197 1-218-883-11 s METAL 33K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R199 1-218-874-11 s METAL 13K 0.50% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R199 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R200 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
     [for DXC-637P;EK]  
 R201 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R206 1-218-870-11 s METAL 9.1K 0.50% 1/16W  
 R234 1-218-841-11 s METAL 560 0.50% 1/16W  
 R236 1-211-981-11 s METAL 33 0.50% 1/16W  
 R238 1-218-844-11 s METAL 750 0.50% 1/16W  
 R241 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R242 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]

(EN-122(N)/122(P) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

R246 1-218-867-11 s METAL 6.8K 0.50% 1/16W  
 R247 1-216-857-11 s METAL, CHIP 1M 5% 1/16W  
 R248 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R249 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]  
 R250 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R251 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R253 1-216-857-11 s METAL, CHIP 1M 5% 1/16W  
 R255 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R256 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]  
 R257 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R258 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R259 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R269 1-218-858-11 s METAL 3K 0.50% 1/16W  
 R272 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R275 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R278 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R279 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]  
 R280 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R281 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637P;EK]  
 R282 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
     [for DXC-637;J, DXC-637;UC]  
 R286 1-211-977-11 s METAL 22 0.50% 1/16W  
     [for DXC-637P;EK]  
 RV3 1-241-265-11 s RES, ADJ, METALT 20K  
     [for DXC-637;J, DXC-637;UC]  
 RV4 1-241-262-11 s RES, ADJ, METALT 2K  
 RV5 1-241-260-11 s RES, ADJ, METALT 500  
 RV6 1-241-260-11 s RES, ADJ, METALT 500  
 RV7 1-241-262-11 s RES, ADJ, METALT 2K  
 RV8 1-238-855-11 s RES, ADJ, METAL 4.7K  
 RV9 1-241-261-41 s RES, ADJ, METAL 1K  
 RV10 1-241-263-11 s RES, ADJ, METALT 5K  
 RV11 1-241-262-11 s RES, ADJ, METALT 2K  
 RV12 1-238-853-11 s RES, ADJ, METAL 1K  
 S1 1-572-342-11 s SWITCH, SLIDE  
     [for DXC-637;J, DXC-637;UC]

Please see page D-13 for the part numbers of  
resistor that is not the parts list.

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FP-68 BOARDRef. No.  
or Q'ty Part No. SP Description

|     |              |                                |
|-----|--------------|--------------------------------|
| 1pc | A-8310-948-A | o MOUNTED CIRCUIT BOARD, FP-68 |
| CN1 | 1-691-863-11 | s CONNECTOR, 4P                |
| R1  | 1-215-461-00 | s METAL 47K 1% 1/6W            |
| R2  | 1-215-453-00 | s METAL 22K 1% 1/6W            |
| R3  | 1-215-449-00 | s METAL 15K 1% 1/6W            |
| R4  | 1-215-405-00 | s METAL 220 1% 1/6W            |
| S1  | 1-571-404-11 | s SWITCH, KEY BOARD            |
| S2  | 1-571-404-11 | s SWITCH, KEY BOARD            |
| S3  | 1-570-984-11 | s SWITCH, TOGGLE               |
| S4  | 1-692-313-11 | s SWITCH, PUSH                 |

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IE-47 BOARDRef. No.  
or Q'ty Part No. SP Description

|     |              |                                 |
|-----|--------------|---------------------------------|
| 1pc | A-8310-955-A | o MOUNTED CIRCUIT BOARD, IE-47  |
| C1  | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C2  | 1-104-852-11 | s TANTALUM 22uF 20% 10V         |
| C3  | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C4  | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V    |
| C6  | 1-104-851-11 | s TANTALUM 10uF 20% 10V         |
| C7  | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C8  | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C9  | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C10 | 1-104-823-11 | s TANTALUM 47uF 20% 16V         |
| C11 | 1-104-823-11 | s TANTALUM 47uF 20% 16V         |
| C12 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C13 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C14 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C15 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C16 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C17 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C19 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C20 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C21 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C22 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C24 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C25 | 1-135-159-21 | s TANTALUM, CHIP 10uF 10% 20V   |
| C26 | 1-135-159-21 | s TANTALUM, CHIP 10uF 10% 20V   |
| C29 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C31 | 1-104-852-11 | s TANTALUM 22uF 20% 10V         |
| C32 | 1-104-823-11 | s TANTALUM 47uF 20% 16V         |
| C33 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C34 | 1-107-689-21 | s TANTALUM 1uF 20% 35V          |
| C35 | 1-107-689-21 | s TANTALUM 1uF 20% 35V          |
| C37 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V       |
| C38 | 1-162-917-11 | s CERAMIC, CHIP 15PF 5% 50V     |
| C41 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V     |
| C42 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C43 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C44 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C45 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C46 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C47 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C48 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C49 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C50 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C51 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C52 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C53 | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C54 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C55 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C56 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C57 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C58 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C59 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C60 | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C61 | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V |
| C62 | 1-135-070-00 | s TANTALUM, CHIP 0.1uF 10% 35V  |
| C63 | 1-104-823-11 | s TANTALUM 47uF 20% 16V         |
| C64 | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V |
| C65 | 1-135-070-00 | s TANTALUM, CHIP 0.1uF 10% 35V  |
| C70 | 1-107-689-21 | s TANTALUM 1uF 20% 35V          |

## (IE-47 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description                 |
|---------------------|--------------|--------------------------------|
| C71                 | 1-135-070-00 | s TANTALUM, CHIP 0.1uF 10% 35V |
| C78                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V     |
| C79                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C81                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C82                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C83                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C84                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C85                 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V    |
| C86                 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V    |
| C87                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C88                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C89                 | 1-162-917-11 | s CERAMIC, CHIP 15PF 5% 50V    |
| C90                 | 1-104-851-11 | s TANTALUM 10uF 20% 10V        |
| C91                 | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C92                 | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C93                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C94                 | 1-104-851-11 | s TANTALUM 10uF 20% 10V        |
| C95                 | 1-107-689-21 | s TANTALUM 1uF 20% 35V         |
| C96                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C97                 | 1-107-689-21 | s TANTALUM 1uF 20% 35V         |
| C98                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C99                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C101                | 1-126-392-11 | s ELECT, CHIP 100uF 20% 6.3V   |
| C102                | 1-126-392-11 | s ELECT, CHIP 100uF 20% 6.3V   |
| C103                | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C104                | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C105                | 1-128-391-11 | s ELECT 330uF 20% 6.3V         |
| C107                | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C108                | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V     |
| C109                | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C110                | 1-104-851-11 | s TANTALUM 10uF 20% 10V        |
| C111                | 1-104-823-11 | s TANTALUM 47uF 20% 16V        |
| C112                | 1-107-686-11 | s TANTALUM 4.7uF 20% 16V       |
| C113                | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C114                | 1-104-917-11 | s TANTALUM 15uF 20% 20V        |
| C123                | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C124                | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C125                | 1-104-851-11 | s TANTALUM 10uF 20% 10V        |
| C126                | 1-104-851-11 | s TANTALUM 10uF 20% 10V        |
| C127                | 1-104-852-11 | s TANTALUM 22uF 20% 10V        |
| C128                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V       |
| C129                | 1-104-851-11 | s TANTALUM 10uF 20% 10V        |
| C135                | 1-162-908-11 | s CERAMIC 3PF 0.25PF 50V       |
| C137                | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C138                | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C140                | 1-107-689-21 | s TANTALUM 1uF 20% 35V         |
| C141                | 1-107-689-21 | s TANTALUM 1uF 20% 35V         |
| C142                | 1-135-070-00 | s TANTALUM, CHIP 0.1uF 10% 35V |
| C143                | 1-104-823-11 | s TANTALUM 47uF 20% 16V        |
| C144                | 1-107-854-11 | s TANTALUM 68uF 20% 6.3V       |
| C147                | 1-162-974-11 | s CERAMIC 0.01uF 50V           |
| C150                | 1-104-823-11 | s TANTALUM 47uF 20% 16V        |
| C151                | 1-107-689-21 | s TANTALUM 1uF 20% 35V         |
| C152                | 1-104-851-11 | s TANTALUM 10uF 20% 10V        |
| C153                | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V   |
| C154                | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V   |
| C155                | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V   |
| C156                | 1-162-921-11 | s CERAMIC, CHIP 33PF 5% 50V    |

## (IE-47 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description          |
|---------------------|--------------|-------------------------|
| CN1                 | 1-770-581-11 | o CONNECTOR 30P         |
| CV1                 | 1-141-422-11 | s CAP, ADJ              |
| D1                  | 8-719-800-76 | s DIODE 1SS226          |
| D2                  | 8-719-157-20 | s DIODE RD4.3M-B        |
| D4                  | 8-719-948-47 | s DIODE HSM88AS         |
| D5                  | 8-719-948-47 | s DIODE HSM88AS         |
| D6                  | 8-719-157-20 | s DIODE RD4.3M-B        |
| D7                  | 8-719-157-20 | s DIODE RD4.3M-B        |
| DL2                 | 1-406-728-21 | s DELAY LINE, LC (35NS) |
| DL3                 | 1-406-728-21 | s DELAY LINE, LC (35NS) |
| DL4                 | 1-406-728-21 | s DELAY LINE, LC (35NS) |
| DL5                 | 1-406-728-21 | s DELAY LINE, LC (35NS) |
| DL6                 | 1-406-728-21 | s DELAY LINE, LC (35NS) |
| FL1                 | 1-239-620-21 | s FILTER, TRAP          |
| FL2                 | 1-233-342-11 | s FILTER, TRAP          |
| FL3                 | 1-233-342-11 | s FILTER, TRAP          |
| IC1                 | 8-759-035-93 | s IC TC7S32F            |
| IC2                 | 8-752-358-04 | s IC CXD2310R           |
| IC4                 | 8-752-360-44 | s IC CXK1203AR          |
| IC5                 | 8-759-700-95 | s IC NJM1496M           |
| IC6                 | 8-759-300-71 | s IC MC14053BF          |
| IC7                 | 8-759-906-53 | s IC TL062CPS           |
| IC8                 | 8-759-011-65 | s IC MC74HC4053F        |
| IC9                 | 8-759-906-54 | s IC TL064CNS           |
| IC10                | 8-759-031-84 | s IC SC7S04F            |
| IC11                | 8-759-038-46 | s IC SC7S00F            |
| IC12                | 8-759-916-23 | s IC SN74HC27ANS        |
| IC13                | 8-759-242-64 | s IC TC4W53F            |
| IC15                | 8-759-038-46 | s IC SC7S00F            |
| IC16                | 8-752-360-44 | s IC CXK1203AR          |
| IC17                | 8-752-363-60 | s IC CXD2307R           |
| IC18                | 8-759-234-20 | s IC TC7S08F            |
| IC20                | 8-759-906-54 | s IC TL064CNS           |
| IC21                | 8-759-234-20 | s IC TC7S08F            |
| IC22                | 8-759-926-24 | s IC SN74HC164ANS       |
| IC23                | 8-759-031-84 | s IC SC7S04F            |
| IC24                | 8-759-035-93 | s IC TC7S32F            |
| IC25                | 8-759-035-90 | s IC SC7S02FEL          |
| IC26                | 8-759-234-20 | s IC TC7S08F            |
| IC27                | 8-759-234-20 | s IC TC7S08F            |
| IC28                | 8-759-031-84 | s IC SC7S04F            |
| IC29                | 8-759-031-84 | s IC SC7S04F            |
| L1                  | 1-410-381-11 | s INDUCTOR CHIP 10uH    |
| L2                  | 1-410-381-11 | s INDUCTOR CHIP 10uH    |
| L3                  | 1-410-381-11 | s INDUCTOR CHIP 10uH    |
| L4                  | 1-410-381-11 | s INDUCTOR CHIP 10uH    |
| L5                  | 1-410-381-11 | s INDUCTOR CHIP 10uH    |
| L6                  | 1-410-381-11 | s INDUCTOR CHIP 10uH    |
| L7                  | 1-410-389-31 | s INDUCTOR CHIP 47uH    |
| L8                  | 1-410-385-11 | s INDUCTOR, CHIP 22uH   |
| L9                  | 1-410-385-11 | s INDUCTOR, CHIP 22uH   |
| L10                 | 1-412-282-41 | s INDUCTOR 470uH        |
| L11                 | 1-410-373-31 | s INDUCTOR CHIP 2.2uH   |
| L12                 | 1-410-373-31 | s INDUCTOR CHIP 2.2uH   |
| L13                 | 1-410-373-31 | s INDUCTOR CHIP 2.2uH   |
| L14                 | 1-410-393-11 | s INDUCTOR CHIP 100uH   |

Please see page D-13 for the part numbers of resistor that is not the parts list.

DXC-637(J,UC)  
DXC-637P(UC,EK)

## (IE-47 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description            |
|---------------------|--------------|---------------------------|
| L15                 | 1-410-389-31 | s INDUCTOR CHIP 47uH      |
| L17                 | 1-410-385-11 | s INDUCTOR, CHIP 22uH     |
| Q1                  | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q2                  | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q3                  | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q4                  | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q5                  | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q6                  | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q7                  | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q8                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q9                  | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q10                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q11                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q12                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q13                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q14                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q15                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q16                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q48                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q49                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q50                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q51                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q52                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q53                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q54                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q55                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q56                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q57                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q58                 | 8-729-142-90 | s TRANSISTOR 2SK853-K5    |
| Q59                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q61                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q62                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q63                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q64                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q65                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q66                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q67                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q68                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q69                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q70                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q71                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q72                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q73                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q74                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q75                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q76                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q78                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q79                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q80                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q81                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q82                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q83                 | 8-729-142-90 | s TRANSISTOR 2SK853-K5    |
| Q84                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q85                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q86                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q87                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q88                 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q90                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |

## (IE-47 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description              |
|---------------------|--------------|-----------------------------|
| Q91                 | 8-729-807-51 | s TRANSISTOR 2SD1623-S      |
| Q92                 | 8-729-101-07 | s TRANSISTOR 2SB798         |
| Q93                 | 8-729-807-51 | s TRANSISTOR 2SD1623-S      |
| Q94                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6   |
| Q95                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6   |
| Q96                 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6   |
| Q97                 | 8-729-905-24 | s TRANSISTOR 2SA1576S       |
| Q100                | 8-729-101-07 | s TRANSISTOR 2SB798         |
| R3                  | 1-216-824-11 | s METAL, CHIP 1.8K 5% 1/16W |
| R6                  | 1-216-854-11 | s METAL, CHIP 560K 5% 1/16W |
| R7                  | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W    |
| R8                  | 1-216-824-11 | s METAL, CHIP 1.8K 5% 1/16W |
| R9                  | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R10                 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R11                 | 1-216-827-11 | s METAL, CHIP 3.3K 5% 1/16W |
| R14                 | 1-216-823-11 | s METAL, CHIP 1.5K 5% 1/16W |
| R15                 | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R16                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R17                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R18                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R19                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R20                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R21                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R22                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R23                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R24                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R25                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R26                 | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R27                 | 1-216-797-11 | s METAL, CHIP 10 5% 1/16W   |
| R28                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R29                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R30                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R31                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R32                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R33                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R34                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R35                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R36                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R37                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R38                 | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R41                 | 1-216-837-11 | s METAL, CHIP 22K 5% 1/16W  |
| R42                 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R43                 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R47                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R49                 | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R50                 | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R51                 | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R54                 | 1-216-823-11 | s METAL, CHIP 1.5K 5% 1/16W |
| R56                 | 1-216-857-11 | s METAL, CHIP 1M 5% 1/16W   |
| R58                 | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R59                 | 1-216-797-11 | s METAL, CHIP 10 5% 1/16W   |
| R60                 | 1-211-983-11 | s METAL 39 0.50% 1/16W      |
| R62                 | 1-211-983-11 | s METAL 39 0.50% 1/16W      |
| R63                 | 1-216-822-11 | s METAL, CHIP 1.2K 5% 1/16W |
| R64                 | 1-216-822-11 | s METAL, CHIP 1.2K 5% 1/16W |
| R65                 | 1-216-822-11 | s METAL, CHIP 1.2K 5% 1/16W |
| R68                 | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R71                 | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |

## (IE-47 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description              |
|---------------------|--------------|-----------------------------|
| R72                 | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R75                 | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R76                 | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R77                 | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R78                 | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R80                 | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R81                 | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R86                 | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R88                 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R111                | 1-216-827-11 | s METAL, CHIP 3.3K 5% 1/16W |
| R116                | 1-216-822-11 | s METAL, CHIP 1.2K 5% 1/16W |
| R117                | 1-216-818-11 | s METAL, CHIP 560 5% 1/16W  |
| R118                | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R119                | 1-216-822-11 | s METAL, CHIP 1.2K 5% 1/16W |
| R121                | 1-216-819-11 | s METAL, CHIP 680 5% 1/16W  |
| R122                | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R123                | 1-216-824-11 | s METAL, CHIP 1.8K 5% 1/16W |
| R124                | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R127                | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R128                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R129                | 1-216-830-11 | s METAL, CHIP 5.6K 5% 1/16W |
| R131                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R132                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R133                | 1-216-826-11 | s METAL, CHIP 2.7K 5% 1/16W |
| R141                | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R145                | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R146                | 1-216-813-11 | s METAL, CHIP 220 5% 1/16W  |
| R147                | 1-216-813-11 | s METAL, CHIP 220 5% 1/16W  |
| R148                | 1-216-813-11 | s METAL, CHIP 220 5% 1/16W  |
| R149                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R150                | 1-216-841-11 | s METAL, CHIP 47K 5% 1/16W  |
| R151                | 1-216-830-11 | s METAL, CHIP 5.6K 5% 1/16W |
| R152                | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R153                | 1-216-853-11 | s METAL, CHIP 470K 5% 1/16W |
| R154                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R157                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R164                | 1-216-813-11 | s METAL, CHIP 220 5% 1/16W  |
| R165                | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R166                | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R167                | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R169                | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R172                | 1-216-824-11 | s METAL, CHIP 1.8K 5% 1/16W |
| R174                | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R176                | 1-216-830-11 | s METAL, CHIP 5.6K 5% 1/16W |
| R177                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R178                | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R183                | 1-216-827-11 | s METAL, CHIP 3.3K 5% 1/16W |
| R184                | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R185                | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R186                | 1-216-823-11 | s METAL, CHIP 1.5K 5% 1/16W |
| R187                | 1-216-826-11 | s METAL, CHIP 2.7K 5% 1/16W |
| R191                | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R192                | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R193                | 1-218-844-11 | s METAL 750 0.50% 1/16W     |
| R196                | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R201                | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R202                | 1-216-817-11 | s METAL, CHIP 470 5% 1/16W  |
| R203                | 1-218-866-11 | s METAL 6.2K 0.50% 1/16W    |
| R204                | 1-216-811-11 | s METAL, CHIP 150 5% 1/16W  |

## (IE-47 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description              |
|---------------------|--------------|-----------------------------|
| R205                | 1-216-811-11 | s METAL, CHIP 150 5% 1/16W  |
| R212                | 1-216-797-11 | s METAL, CHIP 10 5% 1/16W   |
| R213                | 1-216-797-11 | s METAL, CHIP 10 5% 1/16W   |
| R214                | 1-218-856-11 | s METAL 2.4K 0.50% 1/16W    |
| R215                | 1-218-837-11 | s METAL 390 0.50% 1/16W     |
| R217                | 1-218-856-11 | s METAL 2.4K 0.50% 1/16W    |
| R219                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R221                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R223                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R225                | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R227                | 1-211-982-11 | s METAL 36 0.50% 1/16W      |
| R228                | 1-211-982-11 | s METAL 36 0.50% 1/16W      |
| R239                | 1-216-811-11 | s METAL, CHIP 150 5% 1/16W  |
| R240                | 1-216-823-11 | s METAL, CHIP 1.5K 5% 1/16W |
| R251                | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R264                | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W   |
| R265                | 1-218-883-11 | s METAL 33K 0.50% 1/16W     |
| R268                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R269                | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R270                | 1-216-829-11 | s METAL, CHIP 4.7K 5% 1/16W |
| R272                | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R273                | 1-216-817-11 | s METAL, CHIP 470 5% 1/16W  |
| R276                | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W  |
| R277                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R278                | 1-216-797-11 | s METAL, CHIP 10 5% 1/16W   |
| R279                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| R284                | 1-216-825-11 | s METAL, CHIP 2.2K 5% 1/16W |
| R287                | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W  |
| R288                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W    |
| RV1                 | 1-241-261-41 | s RES, ADJ, METAL 1K        |
| RV3                 | 1-241-262-11 | s RES, ADJ, METALT 2K       |
| RV4                 | 1-238-854-11 | s RES, ADJ, METAL 2.2K      |
| RV5                 | 1-241-263-11 | s RES, ADJ, METALT 5K       |
| RV6                 | 1-238-851-11 | s RES, ADJ METAL 220        |
| RV7                 | 1-238-854-11 | s RES, ADJ, METAL 2.2K      |
| RV8                 | 1-238-855-11 | s RES, ADJ, METAL 4.7K      |
| RV9                 | 1-238-856-11 | s RES, ADJ, METAL 10K       |
| RV10                | 1-238-852-11 | s RES, ADJ METAL 470        |
| RV11                | 1-238-855-11 | s RES, ADJ, METAL 4.7K      |
| RV12                | 1-238-855-11 | s RES, ADJ, METAL 4.7K      |
| RV13                | 1-238-853-11 | s RES, ADJ, METAL 1K        |
| RV14                | 1-238-854-11 | s RES, ADJ, METAL 2.2K      |
| RV15                | 1-238-854-11 | s RES, ADJ, METAL 2.2K      |
| S1                  | 1-572-272-11 | s SWITCH, SLIDE             |

Please see page D-13 for the part numbers of resistor that is not the parts list.

## MB-597(N)/597(P) BOARD

## (MB-597(N)/597(P) BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description  | Ref. No.<br>or Q'ty | Part No.       | SP Description               |
|---------------------|----------------|---|---------------------|----------------|------------------------------|
| 1pc                 | A-8310-958-A o | OUNTED CIRCUIT BOARD, MB-597 (N)<br>[for DXC-637;J, DXC-637;UC] | C54                 | 1-162-964-11 s | CERAMIC 0.001uF 10% 50V      |
| 1pc                 | A-8310-978-A o | OUNTED CIRCUIT BOARD, MB-597 (P)<br>[for DXC-637P;EK]           | C55                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| 3pcs                | 4-352-844-01 s | PIN, LEAD, COATING  | C56                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| 1pc                 | 2-280-622-01 o | SUPPORT (M3), HEXAGON   | C57                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| 1pc                 | 7-682-544-04 s | SCREW +B 3X3  | C58                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C1                  | 1-135-166-21 s | TANTALUM, CHIP 47uF 10% 10V                                     | C59                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C3                  | 1-135-227-11 s | TANTALUM 100uF 10% 6.3V   | C60                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C4                  | 1-135-181-21 s | TANTALUM, CHIP 4.7uF 10% 6.3V                                   | C61                 | 1-135-177-21 s | TANTALUM, CHIP 1uF 10% 25V   |
| C5                  | 1-135-181-21 s | TANTALUM, CHIP 4.7uF 10% 6.3V                                   | C62                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C6                  | 1-135-227-11 s | TANTALUM 100uF 10% 6.3V   | C63                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C7                  | 1-104-911-11 s | TANTALUM 33uF 20% 10V   | C64                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C8                  | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C65                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C9                  | 1-104-911-11 s | TANTALUM 33uF 20% 10V   | C66                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C10                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C67                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C11                 | 1-104-852-11 s | TANTALUM 22uF 20% 10V   | C68                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C12                 | 1-104-852-11 s | TANTALUM 22uF 20% 10V   | C73                 | 1-104-478-11 s | TANTALUM 10uF 20% 35V        |
| C13                 | 1-104-911-11 s | TANTALUM 33uF 20% 10V   | C74                 | 1-104-478-11 s | TANTALUM 10uF 20% 35V        |
| C14                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C79                 | 1-104-478-11 s | TANTALUM 10uF 20% 35V        |
| C15                 | 1-162-966-11 s | CERAMIC, CHIP 0.0022uF 10% 50V                                  | C80                 | 1-104-478-11 s | TANTALUM 10uF 20% 35V        |
| C16                 | 1-162-966-11 s | CERAMIC, CHIP 0.0022uF 10% 50V                                  | C85                 | 1-135-165-11 s | TANTALUM, CHIP 33uF 10% 16V  |
| C17                 | 1-162-966-11 s | CERAMIC, CHIP 0.0022uF 10% 50V                                  | C86                 | 1-135-165-11 s | TANTALUM, CHIP 33uF 10% 16V  |
| C20                 | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V                                      | C87                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C21                 | 1-126-390-11 s | ELECT, CHIP 22uF 20% 6.3V                                       | C88                 | 1-135-210-11 s | TANTALUM 4.7uF 10% 10V       |
| C22                 | 1-126-390-11 s | ELECT, CHIP 22uF 20% 6.3V                                       | C89                 | 1-135-210-11 s | TANTALUM 4.7uF 10% 10V       |
| C23                 | 1-162-964-11 s | CERAMIC 0.001uF 10% 50V   | C90                 | 1-135-166-21 s | TANTALUM, CHIP 47uF 10% 10V  |
| C24                 | 1-126-390-11 s | ELECT, CHIP 22uF 20% 6.3V                                       | C91                 | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C25                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C92                 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C26                 | 1-162-964-11 s | CERAMIC 0.001uF 10% 50V   | C93                 | 1-104-478-11 s | TANTALUM 10uF 20% 35V        |
| C27                 | 1-126-390-11 s | ELECT, CHIP 22uF 20% 6.3V                                       | C94                 | 1-135-179-21 s | TANTAL 2.2uF 10% 16V         |
| C28                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C95                 | 1-135-165-11 s | TANTALUM, CHIP 33uF 10% 16V  |
| C29                 | 1-164-373-11 s | CERAMIC 0.033uF 25V   | C96                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C30                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C97                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C31                 | 1-162-959-11 s | CERAMIC 330PF 5% 50V  | C98                 | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
|                     |                | [for DXC-637P;EK]   | C101                | 1-135-159-21 s | TANTALUM, CHIP 10uF 10% 20V  |
| C32                 | 1-164-315-11 s | CERAMIC 470PF 5% 50V  | C102                | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
|                     |                | [for DXC-637P;EK]   | C103                | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C33                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C104                | 1-135-159-21 s | TANTALUM, CHIP 10uF 10% 20V  |
|                     |                | [for DXC-637P;EK]   | C105                | 1-135-166-21 s | TANTALUM, CHIP 47uF 10% 10V  |
| C34                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C106                | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C35                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C107                | 1-135-210-11 s | TANTALUM 4.7uF 10% 10V       |
| C36                 | 1-104-852-11 s | TANTALUM 22uF 20% 10V   | C108                | 1-135-214-21 s | TANTAL 4.7uF 20% 20V         |
| C37                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C109                | 1-135-164-21 s | TANTALUM, CHIP 22uF 20% 10V  |
| C38                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C110                | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C39                 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V                                       | C111                | 1-104-823-11 s | TANTALUM 47uF 20% 16V        |
| C40                 | 1-164-218-11 s | CERAMIC 180PF 5% 50V  | C112                | 1-107-686-11 s | TANTALUM 4.7uF 20% 16V       |
| C41                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C113                | 1-107-686-11 s | TANTALUM 4.7uF 20% 16V       |
| C42                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C114                | 1-135-166-21 s | TANTALUM, CHIP 47uF 10% 10V  |
| C43                 | 1-104-852-11 s | TANTALUM 22uF 20% 10V   | C115                | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V    |
| C44                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C117                | 1-164-156-11 s | CERAMIC 0.1uF 25V            |
| C45                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C150                | 1-135-227-11 s | TANTALUM 100uF 10% 6.3V      |
| C46                 | 1-126-396-11 s | ELECT, CHIP 47uF 20% 16V  | C151                | 1-135-227-11 s | TANTAL 100uF 10% 6.3V        |
| C47                 | 1-126-400-11 s | ELECT, CHIP 22uF 20% 35V  | C152                | 1-104-543-11 s | FILM 0.0022uF 5% 50V         |
| C48                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | C153                | 1-162-974-11 s | CERAMIC 0.01uF 50V           |
| C49                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   |                     |                | [for DXC-637P;EK]            |
| C50                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | C154                | 1-161-051-00 s | CERAMIC 0.01uF 10% 50V       |
| C51                 | 1-104-852-11 s | TANTALUM 22uF 20% 10V   |                     |                | [for DXC-637P;EK]            |
| C52                 | 1-164-156-11 s | CERAMIC 0.1uF 25V   | CN1                 | 1-506-473-11 o | CONNECTOR, 8P, MALE          |
| C53                 | 1-162-974-11 s | CERAMIC 0.01uF 50V  | CN2                 | 1-573-806-21 s | PIN, CONNECTOR 6P            |
|                     |                |   | CN3                 | 1-766-183-11 o | HOUSING, 24P                 |

(MB-597(N)/597(P) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

CN4 1-506-473-11 s CONNECTOR, 8P, MALE  
 CN5 1-564-002-11 s PIN, CONNECTOR 3P  
 CN7 1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P  
 CN8 1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P  
 CN9 1-691-855-11 s CONNECTOR, BOARD TO BOARD 60P

CN10 1-562-728-11 o CONNECTOR, MULTI 50P  
 CN11 1-564-011-11 o CONNECTOR, 12P, MALE  
 CN13 1-770-580-11 o SOCKET, CONNECTOR 26P  
 CN14 1-691-552-11 s CONNECTOR, 48P  
 CN16 1-506-467-11 s CONNECTOR, 2P, MALE

CN17 1-564-001-11 o CONNECTOR, 2P, MALE  
 CN18 1-506-467-11 s CONNECTOR, 2P, MALE  
 CN19 1-568-353-21 o CONNECTOR, 6P  
 CN20 1-506-467-11 s CONNECTOR, 2P, MALE

CP1 1-760-278-11 s CRYSTAL 28.6363MHz  
 [for DXC-637;J, DXC-637;UC]  
 CP1 1-760-647-11 s CRYSTAL 29.5MHz [for DXC-637P;EK]

D1 8-719-911-55 s DIODE U05G  
 D5 8-719-104-34 s DIODE 1S2836  
 D6 8-719-104-34 s DIODE 1S2836  
 D7 8-719-024-81 s DIODE ISS300-TE85L  
 D8 8-719-024-81 s DIODE ISS300-TE85L  
 D9 8-719-024-81 s DIODE ISS300-TE85L  
 D12 8-719-938-78 s DIODE SB10-05PCP  
 D13 8-719-938-78 s DIODE SB10-05PCP  
 D14 8-719-801-78 s DIODE ISS184  
 D15 8-719-104-34 s DIODE 1S2836

D16 8-719-157-20 s DIODE RD4.3M-B

FB1 1-543-775-11 s FILTER, EMI  
 FB2 1-543-775-11 s FILTER, EMI  
 FB3 1-543-775-11 s FILTER, EMI  
 FB4 1-543-775-11 s FILTER, EMI  
 FB5 1-543-775-11 s FILTER, EMI

FB6 1-543-775-11 s FILTER, EMI  
 FB7 1-543-775-11 s FILTER, EMI  
 FB8 1-543-775-11 s FILTER, EMI  
 FB9 1-543-775-11 s FILTER, EMI  
 FB10 1-543-775-11 s FILTER, EMI

FB11 1-543-775-11 s FILTER, EMI  
 FB12 1-543-775-11 s FILTER, EMI  
 FB13 1-412-364-11 s INDUCTOR CHIP 0uH  
 FB15 1-543-775-11 s FILTER, EMI  
 FB16 1-543-775-11 s FILTER, EMI

FB17 1-543-775-11 s FILTER, EMI  
 FB18 1-412-364-11 s INDUCTOR CHIP 0uH  
 FB22 1-543-775-11 s FILTER, EMI  
 FB23 1-543-775-11 s FILTER, EMI  
 FB24 1-543-775-11 s FILTER, EMI

FB25 1-543-775-11 s FILTER, EMI  
 FB26 1-543-775-11 s FILTER, EMI  
 FB27 1-543-775-11 s FILTER, EMI  
 FB28 1-543-775-11 s FILTER, EMI  
 FB29 1-543-775-11 s FILTER, EMI

FB30 1-543-775-11 s FILTER, EMI  
 FB31 1-543-775-11 s FILTER, EMI  
 FB32 1-543-775-11 s FILTER, EMI  
 FB33 1-543-775-11 s FILTER, EMI  
 FB35 1-543-775-11 s FILTER, EMI

(MB-597(N)/597(P) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

FB36 1-412-364-11 s INDUCTOR CHIP 0uH  
 FB37 1-412-364-11 s INDUCTOR CHIP 0uH  
 FB38 1-412-364-11 s INDUCTOR CHIP 0uH  
 FB39 1-412-364-11 s INDUCTOR CHIP 0uH  
 FB40 1-412-364-11 s INDUCTOR CHIP 0uH

FL1 1-236-164-11 s ENCAPSULATED COMPONENT  
 FL2 1-239-077-11 s FILTER, EMI  
 FL3 1-239-077-11 s FILTER, EMI  
 IC1 8-752-055-95 s IC CXA1409AQ  
 IC2 8-759-635-27 s IC M62352GP  
 IC3 8-759-082-58 s IC TC7W08FU  
 IC4 8-759-058-62 s IC TC7S08FU(TE85R)  
 IC10 8-759-058-62 s IC TC7S08FU(TE85R)  
 [for DXC-637;J, DXC-637;UC]

IC10 8-759-058-54 s IC TC7S00FU(TE85R)  
 [for DXC-637P;EK]  
 IC11 8-759-082-58 s IC TC7W08FU  
 IC12 8-759-082-58 s IC TC7W08FU  
 IC15 8-759-337-17 o IC CY7C291A-50SC-DXC637 V1.00  
 IC17 8-752-326-69 s IC CXD1035BQ-Z  
 IC18 8-759-196-96 s IC TC7SH08FU  
 IC20 8-759-082-58 s IC TC7W08FU  
 IC22 8-759-196-97 s IC TC7SH32FU  
 IC23 8-759-079-66 s IC TC74VHC123AFS(EL)  
 IC24 8-759-058-64 s IC TC7S32FU(TE85R)  
 [for DXC-637P;EK]

IC25 8-759-073-52 s IC TC74AC04F-EL  
 IC26 8-759-073-52 s IC TC74AC04F-EL  
 IC27 8-759-073-52 s IC TC74AC04F-EL  
 IC28 8-759-076-06 s IC TL064CPW  
 IC29 8-759-172-33 s IC UPD16502GS(1)

IC30 8-759-172-33 s IC UPD16502GS(1)  
 IC31 8-759-172-33 s IC UPD16502GS(1)  
 IC32 8-759-049-98 s IC SN74HC74APW-E05  
 IC33 8-759-058-62 s IC TC7S08FU(TE85R)  
 IC35 8-759-082-58 s IC TC7W08FU  
 IC36 8-759-196-96 s IC TC7SH08FU

L1 1-412-026-11 s INDUCTOR CHIP 1uH  
 L2 1-412-026-11 s INDUCTOR CHIP 1uH  
 L3 1-412-026-11 s INDUCTOR CHIP 1uH  
 L4 1-410-385-11 s INDUCTOR, CHIP 22uH  
 L5 1-410-658-31 s INDUCTOR CHIP 220uH

L10 1-410-389-31 s INDUCTOR CHIP 47uH  
 L11 1-412-282-41 s INDUCTOR 470uH  
 L12 1-410-393-11 s INDUCTOR CHIP 100uH  
 Q1 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q2 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q3 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q4 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q5 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q6 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q7 8-729-402-84 s TRANSISTOR XN4601  
 Q8 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q9 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q20 8-729-216-22 s TRANSISTOR 2SA1162  
 Q21 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q22 8-729-140-47 s TRANSISTOR 2SC3735-T2B-B35

Please see page D-13 for the part numbers of resistor that is not the parts list.

(MB-597(N)/597(P) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

Q23 8-729-112-65 s TRANSISTOR 2SA1462  
 Q24 8-729-112-65 s TRANSISTOR 2SA1462  
 Q25 8-729-140-47 s TRANSISTOR 2SC3735-T2B-B35  
 Q26 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q27 8-729-216-22 s TRANSISTOR 2SA1162

Q28 8-729-216-22 s TRANSISTOR 2SA1162  
 Q29 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q35 8-729-101-07 s TRANSISTOR 2SB798  
 Q36 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q37 8-729-120-28 s TRANSISTOR 2SC1623-L5L6

Q38 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q39 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q40 8-729-101-07 s TRANSISTOR 2SB798  
 Q41 8-729-807-51 s TRANSISTOR 2SD1623-S  
 Q42 8-729-143-13 s TRANSISTOR 2SC4176-B34

Q43 8-729-143-07 s TRANSISTOR 2SA1610-Y33  
 Q44 8-729-143-13 s TRANSISTOR 2SC4176-B34  
 Q45 8-729-143-07 s TRANSISTOR 2SA1610-Y33

R14 1-211-990-11 s METAL 75 0.50% 1/16W  
 R15 1-211-990-11 s METAL 75 0.50% 1/16W  
 R16 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R24 1-218-870-11 s METAL 9.1K 0.50% 1/16W  
 R25 1-218-873-11 s METAL 12K 0.50% 1/16W

R26 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R33 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R65 1-216-857-11 s METAL, CHIP 1M 5% 1/16W  
 R67 1-211-969-11 s METAL 10 0.50% 1/16W  
 R68 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R70 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R71 1-211-969-11 s METAL 10 0.50% 1/16W  
 R72 1-211-969-11 s METAL 10 0.50% 1/16W  
 R73 1-211-969-11 s METAL 10 0.50% 1/16W  
 R76 1-218-851-11 s METAL 1.5K 0.50% 1/16W  
 [for DXC-637P;EK]

R81 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
 R82 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
 R83 1-216-857-11 s METAL, CHIP 1M 5% 1/16W  
 R84 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
 R85 1-216-853-11 s METAL, CHIP 470K 5% 1/16W

R90 1-211-977-11 s METAL 22 0.50% 1/16W  
 R92 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
 R93 1-216-853-11 s METAL, CHIP 470K 5% 1/16W  
 R101 1-211-981-11 s METAL 33 0.50% 1/16W  
 R103 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R104 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R105 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R106 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R107 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R108 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R109 1-211-969-11 s METAL 10 0.50% 1/16W  
 R110 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R112 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R129 1-218-851-11 s METAL 1.5K 0.50% 1/16W  
 R133 1-218-897-11 s METAL 120K 0.50% 1/16W

R142 1-211-969-11 s METAL 10 0.50% 1/16W  
 R143 1-211-969-11 s METAL 10 0.50% 1/16W  
 R144 1-211-969-11 s METAL 10 0.50% 1/16W  
 R149 1-218-851-11 s METAL 1.5K 0.50% 1/16W  
 R155 1-216-864-11 s METAL, CHIP 0 5% 1/16W

(MB-597(N)/597(P) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

R156 1-211-969-11 s METAL 10 0.50% 1/16W  
 R160 1-216-864-11 s METAL, CHIP 0 5% 1/16W  
 R161 1-211-969-11 s METAL 10 0.50% 1/16W  
 R162 1-211-969-11 s METAL 10 0.50% 1/16W  
 R163 1-211-969-11 s METAL 10 0.50% 1/16W

R164 1-211-969-11 s METAL 10 0.50% 1/16W  
 R165 1-211-969-11 s METAL 10 0.50% 1/16W  
 R166 1-211-969-11 s METAL 10 0.50% 1/16W  
 R167 1-211-969-11 s METAL 10 0.50% 1/16W  
 R168 1-211-977-11 s METAL 22 0.50% 1/16W

R169 1-211-977-11 s METAL 22 0.50% 1/16W  
 R170 1-211-977-11 s METAL 22 0.50% 1/16W  
 R171 1-211-977-11 s METAL 22 0.50% 1/16W  
 R172 1-211-977-11 s METAL 22 0.50% 1/16W  
 R173 1-211-977-11 s METAL 22 0.50% 1/16W

Please see page D-13 for the part numbers of  
resistor that is not the parts list.

## PA-185(G) BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                 |
|---------------------|--------------|--------------------------------|
| 1pc                 | 1-565-977-11 | s CONTACT, FEMALE AWG 28-32    |
| 2pcs                | 1-566-988-11 | o HOUSING, CONNECTOR 2P        |
| 1pc                 | 1-569-191-11 | o CONTACT, AWG22-26            |
| 1pc                 | 1-569-193-11 | o CONTACT, AWG24-30            |
| 1pc                 | 1-569-195-11 | s HOUSING, CONNECTOR 2P        |
| C1                  | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C2                  | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C3                  | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C4                  | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C5                  | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C6                  | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C7                  | 1-162-959-11 | s CERAMIC 330PF 5% 50V         |
| C8                  | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C10                 | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C11                 | 1-135-164-21 | s TANTALUM, CHIP 22uF 20% 10V  |
| C12                 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C13                 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C14                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C15                 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C16                 | 1-162-908-11 | s CERAMIC 3PF 0.25PF 50V       |
| C17                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C18                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C19                 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C21                 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C22                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C23                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C24                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C26                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C27                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C28                 | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V   |
| C29                 | 1-162-908-11 | s CERAMIC 3PF 0.25PF 50V       |
| C32                 | 1-162-912-11 | s CERAMIC 7PF 0.5PF 50V        |
| C33                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C34                 | 1-104-917-11 | s TANTALUM 15uF 20% 20V        |
| C35                 | 1-126-400-11 | s ELECT, CHIP 22uF 20% 35V     |
| C36                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C37                 | 1-135-165-11 | s TANTALUM, CHIP 33uF 10% 16V  |
| C38                 | 1-107-686-11 | s TANTALUM 4.7uF 20% 16V       |
| C39                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C40                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C42                 | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| CN1                 | 1-766-235-11 | s HOUSING, 26P                 |
| D1                  | 8-719-123-82 | s DIODE 1SS303                 |
| D2                  | 8-719-017-42 | s DIODE HSM88WA                |
| IC2                 | 8-759-287-60 | s IC TC7SH08FU-TE85L           |
| IC3                 | 8-759-075-53 | s IC LM35DM                    |
| IC5                 | 8-759-287-60 | s IC TC7SH08FU-TE85L           |
| Q1                  | 8-729-101-25 | s TRANSISTOR 2SC1009A          |
| Q3                  | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33       |
| Q4                  | 8-769-401-67 | s TRANSISTOR 3SK163-1          |
| Q5                  | 8-729-117-32 | s TRANSISTOR 2SC4177           |
| Q6                  | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33       |
| Q7                  | 8-769-401-67 | s TRANSISTOR 3SK163-1          |
| Q8                  | 8-729-117-32 | s TRANSISTOR 2SC4177           |
| Q9                  | 8-729-117-16 | s TRANSISTOR 2SA1611-M6        |
| Q10                 | 8-769-401-67 | s TRANSISTOR 3SK163-1          |
| Q11                 | 8-729-117-32 | s TRANSISTOR 2SC4177           |

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (PA-185(G) BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description            |
|---------------------|--------------|---------------------------|
| Q12                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q13                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q14                 | 8-769-401-67 | s TRANSISTOR 3SK163-1     |
| Q15                 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q16                 | 8-729-117-16 | s TRANSISTOR 2SA1611-M6   |
| Q17                 | 8-769-401-67 | s TRANSISTOR 3SK163-1     |
| Q18                 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q19                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q20                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q21                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q22                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q23                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q24                 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q25                 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q26                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q27                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q28                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q29                 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q30                 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q32                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q33                 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q34                 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q35                 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| R3                  | 1-218-889-11 | s METAL 56K 0.50% 1/16W   |
| R5                  | 1-218-837-11 | s METAL 390 0.50% 1/16W   |
| R9                  | 1-216-857-11 | s METAL, CHIP 1M 5% 1/16W |
| R16                 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R21                 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R22                 | 1-211-969-11 | s METAL 10 0.50% 1/16W    |
| R27                 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R30                 | 1-216-864-11 | s METAL, CHIP 0.5% 1/16W  |
| R33                 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R37                 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R39                 | 1-218-845-11 | s METAL 820 0.50% 1/16W   |
| R43                 | 1-218-845-11 | s METAL 820 0.50% 1/16W   |
| R53                 | 1-216-864-11 | s METAL, CHIP 0.5% 1/16W  |
| R54                 | 1-218-873-11 | s METAL 12K 0.50% 1/16W   |
| R56                 | 1-218-660-91 | s METAL 47 0.50% 1/16W    |
| R57                 | 1-218-899-11 | s METAL 150K 0.50% 1/16W  |
| R58                 | 1-218-883-11 | s METAL 33K 0.50% 1/16W   |
| R59                 | 1-218-883-11 | s METAL 33K 0.50% 1/16W   |
| R65                 | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R66                 | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W  |
| R73                 | 1-216-864-11 | s METAL, CHIP 0.5% 1/16W  |
| R77                 | 1-218-881-11 | s METAL 27K 0.50% 1/16W   |
| R78                 | 1-218-883-11 | s METAL 33K 0.50% 1/16W   |
| R81                 | 1-218-873-11 | s METAL 12K 0.50% 1/16W   |
| R82                 | 1-211-969-11 | s METAL 10 0.50% 1/16W    |
| R87                 | 1-218-881-11 | s METAL 27K 0.50% 1/16W   |
| R90                 | 1-218-873-11 | s METAL 12K 0.50% 1/16W   |
| RV1                 | 1-237-038-11 | s RES, ADJ, METAL 50K     |
| RV2                 | 1-241-263-11 | s RES, ADJ, METALT 5K     |
| W1                  | 1-954-555-11 | o HARNESS, SUB (PA185-1)  |
| W2                  | 1-954-558-11 | o HARNESS, SUB (PA185-2)  |

## PA-190(R) BOARD

| Ref. No.<br>or Q'ty | Part No. | SP Description |
|---------------------|----------|----------------|
|---------------------|----------|----------------|

|      |              |                             |
|------|--------------|-----------------------------|
| 1pc  | 1-565-977-11 | s CONTACT, FEMALE AWG 28-32 |
| 2pcs | 1-566-988-11 | o HOUSING, CONNECTOR 2P     |
| 1pc  | 1-569-191-11 | o CONTACT, AWG22-26         |
| 1pc  | 1-569-193-11 | o CONTACT, AWG24-30         |
| 1pc  | 1-569-195-31 | s HOUSING, 2P               |

|    |              |                                |
|----|--------------|--------------------------------|
| C1 | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C2 | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C3 | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C4 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C5 | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |

|     |              |                                |
|-----|--------------|--------------------------------|
| C6  | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C7  | 1-162-959-11 | s CERAMIC 330PF 5% 50V         |
| C8  | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C10 | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C11 | 1-135-164-21 | s TANTALUM, CHIP 22uF 20% 10V  |

|     |              |                             |
|-----|--------------|-----------------------------|
| C12 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V |
| C13 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V |
| C14 | 1-164-156-11 | s CERAMIC 0.1uF 25V         |
| C15 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V |
| C16 | 1-162-905-11 | s CERAMIC 1PF 0.25PF 50V    |

|     |              |                             |
|-----|--------------|-----------------------------|
| C17 | 1-164-156-11 | s CERAMIC 0.1uF 25V         |
| C18 | 1-164-156-11 | s CERAMIC 0.1uF 25V         |
| C19 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V |
| C21 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V |
| C22 | 1-164-156-11 | s CERAMIC 0.1uF 25V         |

|     |              |                              |
|-----|--------------|------------------------------|
| C23 | 1-104-913-11 | s TANTALUM 10uF 20% 16V      |
| C24 | 1-164-156-11 | s CERAMIC 0.1uF 25V          |
| C26 | 1-104-913-11 | s TANTALUM 10uF 20% 16V      |
| C27 | 1-164-156-11 | s CERAMIC 0.1uF 25V          |
| C28 | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V |

|     |              |                            |
|-----|--------------|----------------------------|
| C29 | 1-162-905-11 | s CERAMIC 1PF 0.25PF 50V   |
| C32 | 1-162-912-11 | s CERAMIC 7PF 0.5PF 50V    |
| C33 | 1-164-156-11 | s CERAMIC 0.1uF 25V        |
| C34 | 1-104-917-11 | s TANTALUM 15uF 20% 20V    |
| C35 | 1-126-400-11 | s ELECT, CHIP 22uF 20% 35V |

|     |              |                               |
|-----|--------------|-------------------------------|
| C36 | 1-164-156-11 | s CERAMIC 0.1uF 25V           |
| C37 | 1-135-165-11 | s TANTALUM, CHIP 33uF 10% 16V |
| C38 | 1-107-686-11 | s TANTALUM 4.7uF 20% 16V      |
| C39 | 1-164-156-11 | s CERAMIC 0.1uF 25V           |
| C40 | 1-104-913-11 | s TANTALUM 10uF 20% 16V       |

|     |              |                     |
|-----|--------------|---------------------|
| C42 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
|-----|--------------|---------------------|

|     |              |                |
|-----|--------------|----------------|
| CN1 | 1-766-235-11 | s HOUSING, 26P |
|-----|--------------|----------------|

|    |              |                 |
|----|--------------|-----------------|
| D1 | 8-719-123-82 | s DIODE 1SS303  |
| D2 | 8-719-017-42 | s DIODE HSM88WA |

|     |              |                      |
|-----|--------------|----------------------|
| IC2 | 8-759-287-60 | s IC TC7SH08FU-TE85L |
| IC5 | 8-759-287-60 | s IC TC7SH08FU-TE85L |

|    |              |                          |
|----|--------------|--------------------------|
| Q1 | 8-729-101-25 | s TRANSISTOR 2SC1009A    |
| Q3 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q4 | 8-769-401-67 | s TRANSISTOR 3SK163-1    |
| Q5 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q6 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |

|     |              |                         |
|-----|--------------|-------------------------|
| Q7  | 8-769-401-67 | s TRANSISTOR 3SK163-1   |
| Q8  | 8-729-117-32 | s TRANSISTOR 2SC4177    |
| Q9  | 8-729-117-16 | s TRANSISTOR 2SA1611-M6 |
| Q10 | 8-769-401-67 | s TRANSISTOR 3SK163-1   |
| Q11 | 8-729-117-32 | s TRANSISTOR 2SC4177    |

## (PA-190(R) BOARD)

| Ref. No.<br>or Q'ty | Part No. | SP Description |
|---------------------|----------|----------------|
|---------------------|----------|----------------|

|     |              |                          |
|-----|--------------|--------------------------|
| Q12 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q13 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q14 | 8-769-401-67 | s TRANSISTOR 3SK163-1    |
| Q15 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q16 | 8-729-117-16 | s TRANSISTOR 2SA1611-M6  |

|     |              |                          |
|-----|--------------|--------------------------|
| Q17 | 8-769-401-67 | s TRANSISTOR 3SK163-1    |
| Q18 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q19 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q20 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q21 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |

|     |              |                          |
|-----|--------------|--------------------------|
| Q22 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34 |
| Q23 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q24 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q25 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q26 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |

|     |              |                          |
|-----|--------------|--------------------------|
| Q27 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q28 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |
| Q29 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34 |
| Q30 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q32 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |

|     |              |                          |
|-----|--------------|--------------------------|
| Q33 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q34 | 8-729-117-32 | s TRANSISTOR 2SC4177     |
| Q35 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33 |

|     |              |                           |
|-----|--------------|---------------------------|
| R3  | 1-218-889-11 | s METAL 56K 0.50% 1/16W   |
| R5  | 1-218-837-11 | s METAL 390 0.50% 1/16W   |
| R9  | 1-216-857-11 | s METAL, CHIP 1M 5% 1/16W |
| R16 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R21 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |

|     |              |                          |
|-----|--------------|--------------------------|
| R22 | 1-211-969-11 | s METAL 10 0.50% 1/16W   |
| R27 | 1-211-981-11 | s METAL 33 0.50% 1/16W   |
| R30 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R33 | 1-211-981-11 | s METAL 33 0.50% 1/16W   |
| R37 | 1-211-981-11 | s METAL 33 0.50% 1/16W   |

|     |              |                          |
|-----|--------------|--------------------------|
| R39 | 1-218-845-11 | s METAL 820 0.50% 1/16W  |
| R43 | 1-218-845-11 | s METAL 820 0.50% 1/16W  |
| R53 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R56 | 1-218-660-91 | s METAL 47 0.50% 1/16W   |
| R57 | 1-218-899-11 | s METAL 150K 0.50% 1/16W |

|     |              |                          |
|-----|--------------|--------------------------|
| R58 | 1-218-883-11 | s METAL 33K 0.50% 1/16W  |
| R59 | 1-218-883-11 | s METAL 33K 0.50% 1/16W  |
| R65 | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R66 | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W |
| R73 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |

|     |              |                         |
|-----|--------------|-------------------------|
| R77 | 1-218-881-11 | s METAL 27K 0.50% 1/16W |
| R78 | 1-218-883-11 | s METAL 33K 0.50% 1/16W |
| R81 | 1-218-873-11 | s METAL 12K 0.50% 1/16W |
| R82 | 1-211-969-11 | s METAL 10 0.50% 1/16W  |
| R87 | 1-218-881-11 | s METAL 27K 0.50% 1/16W |

|     |              |                       |
|-----|--------------|-----------------------|
| RV1 | 1-237-038-11 | s RES, ADJ, METAL 50K |
| RV2 | 1-241-263-11 | s RES, ADJ, METALT 5K |

|    |              |                          |
|----|--------------|--------------------------|
| W1 | 1-954-556-11 | o HARNESS, SUB (PA190-1) |
|----|--------------|--------------------------|

|    |              |                          |
|----|--------------|--------------------------|
| W2 | 1-954-559-11 | o HARNESS, SUB (PA190-2) |
|----|--------------|--------------------------|

## PA-191(B) BOARD

Ref. No.  
or Q'ty Part No. SP Description

|      |              |                                |
|------|--------------|--------------------------------|
| 1pc  | 1-565-977-11 | s CONTACT, FEMALE AWG 28-32    |
| 2pcs | 1-566-988-11 | o HOUSING, CONNECTOR 2P        |
| 1pc  | 1-569-191-11 | o CONTACT, AWG22-26            |
| 1pc  | 1-569-193-11 | o CONTACT, AWG24-30            |
| 1pc  | 1-569-195-41 | o HOUSING, 2P                  |
| C1   | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C2   | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C3   | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C4   | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C5   | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C6   | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C7   | 1-162-959-11 | s CERAMIC 330PF 5% 50V         |
| C8   | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C10  | 1-135-213-21 | s TANTALUM, CHIP 3.3uF 20% 25V |
| C11  | 1-135-164-21 | s TANTALUM, CHIP 22uF 20% 10V  |
| C12  | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C13  | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C14  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C15  | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C17  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C18  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C19  | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C21  | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V    |
| C22  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C23  | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C24  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C26  | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C27  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C28  | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V   |
| C32  | 1-162-912-11 | s CERAMIC 7PF 0.5PF 50V        |
| C33  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C34  | 1-104-917-11 | s TANTALUM 15uF 20% 20V        |
| C35  | 1-126-400-11 | s ELECT, CHIP 22uF 20% 35V     |
| C36  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C37  | 1-135-165-11 | s TANTALUM, CHIP 33uF 10% 16V  |
| C38  | 1-107-686-11 | s TANTALUM 4.7uF 20% 16V       |
| C39  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| C40  | 1-104-913-11 | s TANTALUM 10uF 20% 16V        |
| C42  | 1-164-156-11 | s CERAMIC 0.1uF 25V            |
| CN1  | 1-766-235-11 | s HOUSING, 26P                 |
| D1   | 8-719-123-82 | s DIODE 1SS303                 |
| D2   | 8-719-017-42 | s DIODE HSM88WA                |
| IC2  | 8-759-287-60 | s IC TC7SH08FU-TE85L           |
| IC5  | 8-759-287-60 | s IC TC7SH08FU-TE85L           |
| Q1   | 8-729-101-25 | s TRANSISTOR 2SC1009A          |
| Q3   | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33       |
| Q4   | 8-769-401-67 | s TRANSISTOR 3SK163-1          |
| Q5   | 8-729-117-32 | s TRANSISTOR 2SC4177           |
| Q6   | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33       |
| Q7   | 8-769-401-67 | s TRANSISTOR 3SK163-1          |
| Q8   | 8-729-117-32 | s TRANSISTOR 2SC4177           |
| Q9   | 8-729-117-16 | s TRANSISTOR 2SA1611-M6        |
| Q10  | 8-769-401-67 | s TRANSISTOR 3SK163-1          |
| Q11  | 8-729-117-32 | s TRANSISTOR 2SC4177           |
| Q12  | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33       |
| Q13  | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33       |
| Q14  | 8-769-401-67 | s TRANSISTOR 3SK163-1          |

Please see page D-13 for the part numbers of  
resistor that is not the parts list.

## (PA-191(B) BOARD)

Ref. No.  
or Q'ty Part No. SP Description

|     |              |                           |
|-----|--------------|---------------------------|
| Q15 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q16 | 8-729-117-16 | s TRANSISTOR 2SA1611-M6   |
| Q17 | 8-769-401-67 | s TRANSISTOR 3SK163-1     |
| Q18 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q19 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q20 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q21 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q22 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q23 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q24 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q25 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q26 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q27 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q28 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q29 | 8-729-143-13 | s TRANSISTOR 2SC4176-B34  |
| Q30 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q32 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| Q33 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q34 | 8-729-117-32 | s TRANSISTOR 2SC4177      |
| Q35 | 8-729-143-07 | s TRANSISTOR 2SA1610-Y33  |
| R3  | 1-218-889-11 | s METAL 56K 0.50% 1/16W   |
| R5  | 1-218-837-11 | s METAL 390 0.50% 1/16W   |
| R9  | 1-216-857-11 | s METAL, CHIP 1M 5% 1/16W |
| R16 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R21 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R22 | 1-211-969-11 | s METAL 10 0.50% 1/16W    |
| R27 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R30 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R33 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R37 | 1-211-981-11 | s METAL 33 0.50% 1/16W    |
| R39 | 1-218-845-11 | s METAL 820 0.50% 1/16W   |
| R43 | 1-218-845-11 | s METAL 820 0.50% 1/16W   |
| R53 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R56 | 1-218-660-91 | s METAL 47 0.50% 1/16W    |
| R57 | 1-218-899-11 | s METAL 150K 0.50% 1/16W  |
| R58 | 1-218-883-11 | s METAL 33K 0.50% 1/16W   |
| R59 | 1-218-883-11 | s METAL 33K 0.50% 1/16W   |
| R65 | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R66 | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W  |
| R73 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R77 | 1-218-881-11 | s METAL 27K 0.50% 1/16W   |
| R78 | 1-218-883-11 | s METAL 33K 0.50% 1/16W   |
| R81 | 1-218-873-11 | s METAL 12K 0.50% 1/16W   |
| R82 | 1-211-969-11 | s METAL 10 0.50% 1/16W    |
| R87 | 1-218-881-11 | s METAL 27K 0.50% 1/16W   |
| RV1 | 1-237-038-11 | s RES, ADJ, METAL 50K     |
| RV2 | 1-241-263-11 | s RES, ADJ, METALT 5K     |
| W1  | 1-954-557-11 | o HARNESS, SUB (PA191-1)  |
| W2  | 1-954-560-11 | o HARNESS, SUB (PA191-2)  |

## PR-209 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description  |
|---------------------|--------------|---|
| 1pc                 | A-8310-968-A | o MOUNTED CIRCUIT BOARD, PR-209<br>[for DXC-637;J, DXC-637P;EK] |
| 1pc                 | A-8310-954-A | o MOUNTED CIRCUIT BOARD, PR-209<br>[for DXC-637;UC]             |
| 2pcs                | 7-627-554-27 | s SCREW, PRECITION +P 2X6 TYPE1                                 |
| 1pc                 | 3-699-005-01 | o SUPPORT, TG-18  |
| 1pc                 | 7-621-772-18 | s SCREW +B 2X4  |
| C1                  | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V                                    |
| C2                  | 1-126-395-11 | s ELECT, CHIP 22uF 20% 16V                                      |
| C3                  | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V  |
| C4                  | 1-126-391-11 | s ELECT, CHIP 47uF 20% 6.3V                                     |
| C5                  | 1-126-391-11 | s ELECT, CHIP 47uF 20% 6.3V                                     |
| C6                  | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C7                  | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V                                    |
| C8                  | 1-107-689-21 | s TANTALUM 1uF 20% 35V  |
| C9                  | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V                                 |
| C10                 | 1-107-689-21 | s TANTALUM 1uF 20% 35V  |
| C11                 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V                                    |
| C12                 | 1-107-689-21 | s TANTALUM 1uF 20% 35V  |
| C13                 | 1-104-916-11 | s TANTALUM 6.8uF 20% 20V  |
| C14                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V   |
| C15                 | 1-104-752-11 | s TANTALUM 33uF 20% 6.3V  |
| C101                | 1-162-974-11 | s CERAMIC 0.01uF 50V  |
| C102                | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V                                     |
| C103                | 1-104-913-11 | s TANTALUM 10uF 20% 16V   |
| C104                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V  |
| C105                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C106                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C107                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V                                 |
| C108                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V                                 |
| C109                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C110                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C111                | 1-162-911-11 | s CERAMIC, CHIP 6PF 50V   |
| C112                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C113                | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V                                    |
| C115                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C117                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C118                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V                                 |
| C119                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V                                 |
| C120                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C121                | 1-162-911-11 | s CERAMIC, CHIP 6PF 50V   |
| C123                | 1-104-916-11 | s TANTALUM 6.8uF 20% 20V  |
| C124                | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V                                 |
| C125                | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V                                 |
| C126                | 1-164-315-11 | s CERAMIC 470PF 5% 50V  |
| C127                | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V                                       |
| C201                | 1-162-974-11 | s CERAMIC 0.01uF 50V  |
| C202                | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V                                     |
| C203                | 1-104-913-11 | s TANTALUM 10uF 20% 16V   |
| C204                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V  |
| C205                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C206                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C207                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V                                 |
| C208                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V                                 |
| C209                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C210                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C211                | 1-162-911-11 | s CERAMIC, CHIP 6PF 50V   |
| C212                | 1-164-156-11 | s CERAMIC 0.1uF 25V   |
| C213                | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V                                    |

## (PR-209 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description                  |
|---------------------|--------------|---------------------------------|
| C215                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C217                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C218                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V |
| C219                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V |
| C220                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C221                | 1-162-911-11 | s CERAMIC, CHIP 6PF 50V         |
| C223                | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V |
| C224                | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V |
| C225                | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V    |
| C226                | 1-164-315-11 | s CERAMIC 470PF 5% 50V          |
| C227                | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V       |
| C301                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C302                | 1-162-974-11 | s CERAMIC 0.01uF 50V            |
| C303                | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V     |
| C304                | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C305                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V        |
| C306                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C307                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C308                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V |
| C309                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V |
| C310                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C311                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C312                | 1-162-911-11 | s CERAMIC, CHIP 6PF 50V         |
| C313                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C314                | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V    |
| C316                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C318                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C319                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V |
| C320                | 1-135-180-21 | s TANTALUM, CHIP 3.3uF 20% 6.3V |
| C321                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C322                | 1-162-911-11 | s CERAMIC, CHIP 6PF 50V         |
| C324                | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V |
| C325                | 1-135-072-21 | s TANTALUM, CHIP 0.22uF 10% 35V |
| C326                | 1-164-315-11 | s CERAMIC 470PF 5% 50V          |
| C327                | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V       |
| C401                | 1-104-917-11 | s TANTALUM 15uF 20% 20V         |
| C402                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V        |
| C403                | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C404                | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V      |
| C405                | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V      |
| C406                | 1-104-917-11 | s TANTALUM 15uF 20% 20V         |
| C407                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V        |
| C408                | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C409                | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C410                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V        |
| C411                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V        |
| C412                | 1-162-924-11 | s CERAMIC 56PF 5% 50V           |
| C413                | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V     |
| C414                | 1-165-176-11 | s CERAMIC 0.047uF 10% 16V       |
| C415                | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V    |
| C416                | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V    |
| C417                | 1-164-156-11 | s CERAMIC 0.1uF 25V             |
| C418                | 1-162-920-11 | s CERAMIC, CHIP 27PF 5% 50V     |
| C501                | 1-104-917-11 | s TANTALUM 15uF 20% 20V         |
| C502                | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V        |
| C503                | 1-104-913-11 | s TANTALUM 10uF 20% 16V         |
| C504                | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V      |
| C505                | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V      |
| C506                | 1-104-917-11 | s TANTALUM 15uF 20% 20V         |

Please see page D-13 for the part numbers of resistor that is not the parts list.

(PR-209 BOARD)

| Ref. No.<br>or Q'ty | Part No. | SP Description |
|---------------------|----------|----------------|
|---------------------|----------|----------------|

|      |              |                          |
|------|--------------|--------------------------|
| C507 | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V |
| C508 | 1-104-913-11 | s TANTALUM 10uF 20% 16V  |
| C509 | 1-104-913-11 | s TANTALUM 10uF 20% 16V  |
| C510 | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V |
| C511 | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V |

|      |              |                              |
|------|--------------|------------------------------|
| C512 | 1-162-924-11 | s CERAMIC 56PF 5% 50V        |
| C513 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V  |
| C514 | 1-165-176-11 | s CERAMIC 0.047uF 10% 16V    |
| C515 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V |
| C516 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V |

|      |              |                             |
|------|--------------|-----------------------------|
| C517 | 1-162-920-11 | s CERAMIC, CHIP 27PF 5% 50V |
| C601 | 1-104-917-11 | s TANTALUM 15uF 20% 20V     |
| C602 | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V    |
| C603 | 1-104-913-11 | s TANTALUM 10uF 20% 16V     |
| C604 | 1-104-913-11 | s TANTALUM 10uF 20% 16V     |

|      |              |                            |
|------|--------------|----------------------------|
| C605 | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V |
| C606 | 1-126-396-11 | s ELECT, CHIP 47uF 20% 16V |
| C607 | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V   |
| C608 | 1-104-917-11 | s TANTALUM 15uF 20% 20V    |
| C609 | 1-104-913-11 | s TANTALUM 10uF 20% 16V    |

|      |              |                             |
|------|--------------|-----------------------------|
| C610 | 1-104-913-11 | s TANTALUM 10uF 20% 16V     |
| C611 | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V    |
| C612 | 1-107-685-11 | s TANTALUM 15uF 20% 6.3V    |
| C613 | 1-162-924-11 | s CERAMIC 56PF 5% 50V       |
| C614 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V |

|      |              |                              |
|------|--------------|------------------------------|
| C615 | 1-165-176-11 | s CERAMIC 0.047uF 10% 16V    |
| C616 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V |
| C617 | 1-135-177-21 | s TANTALUM, CHIP 1uF 10% 25V |
| C618 | 1-162-920-11 | s CERAMIC, CHIP 27PF 5% 50V  |

|     |              |                                 |
|-----|--------------|---------------------------------|
| CN1 | 1-691-856-11 | s CONNECTOR, BOARD TO BOARD 60P |
| CN2 | 1-770-582-11 | o CONNECTOR 30P                 |

|      |              |                  |
|------|--------------|------------------|
| D1   | 8-719-157-20 | s DIODE RD4.3M-B |
| D2   | 8-719-157-20 | s DIODE RD4.3M-B |
| D401 | 8-719-947-01 | s DIODE FMP1     |
| D501 | 8-719-947-01 | s DIODE FMP1     |
| D601 | 8-719-404-35 | s DIODE MA141WK  |

|      |              |              |
|------|--------------|--------------|
| D602 | 8-719-947-01 | s DIODE FMP1 |
|------|--------------|--------------|

|       |              |                          |
|-------|--------------|--------------------------|
| DL401 | 1-406-727-21 | s DELAY LINE, LC (165NS) |
| DL501 | 1-406-727-21 | s DELAY LINE, LC (165NS) |
| DL601 | 1-406-727-21 | s DELAY LINE, LC (165NS) |

|       |              |                |
|-------|--------------|----------------|
| FL101 | 1-233-342-11 | s FILTER, TRAP |
| FL201 | 1-233-342-11 | s FILTER, TRAP |
| FL301 | 1-233-342-11 | s FILTER, TRAP |

|       |              |                    |
|-------|--------------|--------------------|
| IC1   | 8-759-031-84 | s IC SC7S04F       |
| IC2   | 8-759-234-20 | s IC TC7S08F       |
| IC3   | 8-759-031-84 | s IC SC7S04F       |
| IC5   | 8-759-076-06 | s IC TL064CPW      |
| IC101 | 8-759-066-59 | s IC TC74HC4053AFS |

|       |              |                    |
|-------|--------------|--------------------|
| IC102 | 8-752-068-64 | s IC CXA1486Q      |
| IC103 | 8-759-076-06 | s IC TL064CPW      |
| IC104 | 8-759-066-59 | s IC TC74HC4053AFS |
| IC105 | 8-759-635-27 | s IC M62352GP      |
| IC201 | 8-759-066-59 | s IC TC74HC4053AFS |
| IC202 | 8-752-068-64 | s IC CXA1486Q      |
| IC203 | 8-759-076-06 | s IC TL064CPW      |
| IC204 | 8-759-066-59 | s IC TC74HC4053AFS |
| IC205 | 8-759-635-27 | s IC M62352GP      |

(PR-209 BOARD)

| Ref. No.<br>or Q'ty | Part No. | SP Description |
|---------------------|----------|----------------|
|---------------------|----------|----------------|

|       |              |                    |
|-------|--------------|--------------------|
| IC301 | 8-759-066-59 | s IC TC74HC4053AFS |
| IC302 | 8-752-068-64 | s IC CXA1486Q      |
| IC303 | 8-759-234-20 | s IC TC7S08F       |
| IC304 | 8-759-076-06 | s IC TL064CPW      |
| IC305 | 8-759-066-59 | s IC TC74HC4053AFS |

|       |              |                        |
|-------|--------------|------------------------|
| IC306 | 8-759-635-27 | s IC M62352GP          |
| IC307 | 8-759-038-46 | s IC SC7S00F           |
| IC401 | 8-759-089-61 | s IC TC74HC4052AFS(EL) |
| IC402 | 8-759-906-53 | s IC TL062CPS          |
| IC501 | 8-759-089-61 | s IC TC74HC4052AFS(EL) |

|       |              |                        |
|-------|--------------|------------------------|
| IC502 | 8-759-906-53 | s IC TL062CPS          |
| IC601 | 8-759-089-61 | s IC TC74HC4052AFS(EL) |
| IC602 | 8-759-906-53 | s IC TL062CPS          |

|      |              |                       |
|------|--------------|-----------------------|
| L101 | 1-410-380-31 | s INDUCTOR CHIP 8.2uH |
| L102 | 1-410-389-31 | s INDUCTOR CHIP 47uH  |
| L201 | 1-410-380-31 | s INDUCTOR CHIP 8.2uH |
| L301 | 1-410-380-31 | s INDUCTOR CHIP 8.2uH |

|    |              |                        |
|----|--------------|------------------------|
| Q1 | 8-729-101-07 | s TRANSISTOR 2SB798    |
| Q2 | 8-729-807-51 | s TRANSISTOR 2SD1623-S |
| Q3 | 8-729-101-07 | s TRANSISTOR 2SB798    |
| Q4 | 8-729-402-84 | s TRANSISTOR XN4601    |
| Q5 | 8-729-402-84 | s TRANSISTOR XN4601    |

|      |              |                           |
|------|--------------|---------------------------|
| Q6   | 8-729-402-84 | s TRANSISTOR XN4601       |
| Q101 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q102 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q103 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q201 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q202 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q203 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q301 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q302 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q303 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |

|      |              |                           |
|------|--------------|---------------------------|
| Q304 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q401 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q402 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q403 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q404 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |

|      |              |                           |
|------|--------------|---------------------------|
| Q405 | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q406 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q407 | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q408 | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q409 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |

|      |              |                           |
|------|--------------|---------------------------|
| Q410 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q411 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q412 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q413 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q414 | 8-729-142-90 | s TRANSISTOR 2SK853-K5    |

|      |              |                           |
|------|--------------|---------------------------|
| Q415 | 8-729-402-78 | s TRANSISTOR XN6401       |
| Q416 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q501 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q502 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q503 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |

|      |              |                           |
|------|--------------|---------------------------|
| Q504 | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q505 | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q506 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q507 | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q508 | 8-729-402-19 | s TRANSISTOR XN6501       |

|      |              |                           |
|------|--------------|---------------------------|
| Q509 | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
|------|--------------|---------------------------|

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (PR-209 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description            |
|---------------------|--------------|---------------------------|
| Q510                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q511                | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q512                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q513                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q514                | 8-729-142-90 | s TRANSISTOR 2SK853-K5    |
| Q515                | 8-729-402-78 | s TRANSISTOR XN6401       |
| Q516                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q601                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q602                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q603                | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q604                | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q605                | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q606                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q607                | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q608                | 8-729-402-19 | s TRANSISTOR XN6501       |
| Q609                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q610                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q611                | 8-729-905-24 | s TRANSISTOR 2SA1576S     |
| Q612                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| Q613                | 8-729-120-28 | s TRANSISTOR 2SC1623-L5L6 |
| R16                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R17                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R19                 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R26                 | 1-218-883-11 | s METAL 33K 0.50% 1/16W   |
| R31                 | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R33                 | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R35                 | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R102                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R111                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W  |
| R152                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R202                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R211                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W  |
| R305                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R314                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W  |
| R408                | 1-218-858-11 | s METAL 3K 0.50% 1/16W    |
| R410                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R417                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R418                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W  |
| R419                | 1-218-868-11 | s METAL 7.5K 0.50% 1/16W  |
| R421                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R423                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R424                | 1-218-841-11 | s METAL 560 0.50% 1/16W   |
| R425                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R426                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W  |
| R427                | 1-218-856-11 | s METAL 2.4K 0.50% 1/16W  |
| R430                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W  |
| R431                | 1-218-856-11 | s METAL 2.4K 0.50% 1/16W  |
| R433                | 1-218-870-11 | s METAL 9.1K 0.50% 1/16W  |
| R452                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W  |
| R455                | 1-218-660-91 | s METAL 47 0.50% 1/16W    |
| R456                | 1-218-846-11 | s METAL 910 0.50% 1/16W   |
| R458                | 1-211-983-11 | s METAL 39 0.50% 1/16W    |

## (PR-209 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description           |
|---------------------|--------------|--------------------------|
| R460                | 1-218-844-11 | s METAL 750 0.50% 1/16W  |
| R461                | 1-211-981-11 | s METAL 33 0.50% 1/16W   |
| R463                | 1-211-969-11 | s METAL 10 0.50% 1/16W   |
| R464                | 1-218-883-11 | s METAL 33K 0.50% 1/16W  |
| R465                | 1-218-844-11 | s METAL 750 0.50% 1/16W  |
| R467                | 1-218-848-11 | s METAL 1.1K 0.50% 1/16W |
| R478                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R483                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R490                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R507                | 1-218-858-11 | s METAL 3K 0.50% 1/16W   |
| R509                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R516                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R517                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R518                | 1-218-870-11 | s METAL 9.1K 0.50% 1/16W |
| R520                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R522                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R524                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R525                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R530                | 1-218-868-11 | s METAL 7.5K 0.50% 1/16W |
| R531                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W |
| R532                | 1-218-870-11 | s METAL 9.1K 0.50% 1/16W |
| R533                | 1-218-841-11 | s METAL 560 0.50% 1/16W  |
| R547                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W |
| R550                | 1-218-660-91 | s METAL 47 0.50% 1/16W   |
| R551                | 1-218-846-11 | s METAL 910 0.50% 1/16W  |
| R553                | 1-211-983-11 | s METAL 39 0.50% 1/16W   |
| R555                | 1-218-844-11 | s METAL 750 0.50% 1/16W  |
| R556                | 1-211-981-11 | s METAL 33 0.50% 1/16W   |
| R558                | 1-211-969-11 | s METAL 10 0.50% 1/16W   |
| R559                | 1-218-883-11 | s METAL 33K 0.50% 1/16W  |
| R560                | 1-218-844-11 | s METAL 750 0.50% 1/16W  |
| R562                | 1-218-848-11 | s METAL 1.1K 0.50% 1/16W |
| R565                | 1-218-883-11 | s METAL 33K 0.50% 1/16W  |
| R566                | 1-218-881-11 | s METAL 27K 0.50% 1/16W  |
| R574                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R579                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R581                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R607                | 1-218-858-11 | s METAL 3K 0.50% 1/16W   |
| R609                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R618                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R619                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R622                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R624                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R626                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R627                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R632                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R650                | 1-218-851-11 | s METAL 1.5K 0.50% 1/16W |
| R653                | 1-218-660-91 | s METAL 47 0.50% 1/16W   |
| R654                | 1-218-846-11 | s METAL 910 0.50% 1/16W  |
| R656                | 1-211-983-11 | s METAL 39 0.50% 1/16W   |
| R658                | 1-218-844-11 | s METAL 750 0.50% 1/16W  |
| R659                | 1-211-981-11 | s METAL 33 0.50% 1/16W   |
| R661                | 1-211-969-11 | s METAL 10 0.50% 1/16W   |

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (PR-209 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description           |
|---------------------|--------------|--------------------------|
| R662                | 1-218-883-11 | s METAL 33K 0.50% 1/16W  |
| R663                | 1-218-844-11 | s METAL 750 0.50% 1/16W  |
| R665                | 1-218-848-11 | s METAL 1.1K 0.50% 1/16W |
| R675                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R681                | 1-218-867-11 | s METAL 6.8K 0.50% 1/16W |
| R683                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R999                | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| RV101               | 1-241-264-11 | s RES, ADJ, METALT 10K   |
| RV103               | 1-238-855-11 | s RES, ADJ, METAL 4.7K   |
| RV201               | 1-241-264-11 | s RES, ADJ, METALT 10K   |
| RV202               | 1-238-855-11 | s RES, ADJ, METAL 4.7K   |
| RV301               | 1-241-264-11 | s RES, ADJ, METALT 10K   |
| RV302               | 1-238-855-11 | s RES, ADJ, METAL 4.7K   |
| RV401               | 1-238-852-11 | s RES, ADJ METAL 470     |
| RV404               | 1-238-853-11 | s RES, ADJ, METAL 1K     |
| RV405               | 1-238-855-11 | s RES, ADJ, METAL 4.7K   |
| RV406               | 1-241-266-11 | s RES, ADJ, METAL 50K    |
| RV407               | 1-238-854-11 | s RES, ADJ, METAL 2.2K   |
| RV501               | 1-238-852-11 | s RES, ADJ METAL 470     |
| RV504               | 1-238-853-11 | s RES, ADJ, METAL 1K     |
| RV505               | 1-238-855-11 | s RES, ADJ, METAL 4.7K   |
| RV506               | 1-241-266-11 | s RES, ADJ, METAL 50K    |
| RV601               | 1-238-852-11 | s RES, ADJ METAL 470     |
| RV604               | 1-238-853-11 | s RES, ADJ, METAL 1K     |
| RV605               | 1-238-855-11 | s RES, ADJ, METAL 4.7K   |
| RV606               | 1-241-266-11 | s RES, ADJ, METAL 50K    |
| S301                | 1-571-275-31 | s SWITCH, SLIDE          |
| S401                | 1-571-275-31 | s SWITCH, SLIDE          |
| S501                | 1-571-275-31 | s SWITCH, SLIDE          |
| S601                | 1-571-275-31 | s SWITCH, SLIDE          |
| S602                | 1-571-275-31 | s SWITCH, SLIDE          |

## SE-234 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                  |
|---------------------|--------------|---------------------------------|
| 1pc                 | A-8310-946-A | o MOUNTED CIRCUIT BOARD, SE-234 |
| CN1                 | 1-573-806-21 | s PIN, CONNECTOR 6P             |
| PH1                 | 8-749-925-05 | s REFLECTOR NJL5183KA-F20-TE1   |
| PH2                 | 8-749-925-05 | s REFLECTOR NJL5183KA-F20-TE1   |

## PSW-30 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                   |
|---------------------|--------------|----------------------------------|
| 1pc                 | A-8310-950-A | o MOUNTED CIRCUIT BOARD, PSW-30  |
| 1pc                 | 1-506-859-11 | s HOUSING, BOARD IN CONNECTOR 8P |
| C1                  | 1-126-941-11 | s ELECT 470uF 20% 25V            |
| CB1                 | 1-532-681-00 | s CIRCUIT BREAKER 4A 125V        |
| R1                  | 1-215-425-00 | s METAL 1.5K 1% 1/6W             |
| R2                  | 1-215-373-31 | s METAL 10 1% 1/6W               |
| S1                  | 1-762-348-11 | s SWITCH, TOGGLE                 |
| S2                  | 1-762-347-11 | s SWITCH, TOGGLE                 |
| W1                  | 1-954-553-11 | o HARNESS, SUB (SW-2)            |

Please see page D-13 for the part numbers of  
resistor that is not the parts list.

## SG-232(N)/232(P) BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description   |
|---------------------|--------------|--|
| 1pc                 | A-8310-957-A | o MOUNTED CIRCUIT BOARD, SG-232 (N)<br>[for DXC-637;J, DXC-637;UC] |
| 1pc                 | A-8310-977-A | o MOUNTED CIRCUIT BOARD, SG-232 (P)<br>[for DXC-637P;EK]           |
| C1                  | 1-104-913-11 | s TANTALUM 10uF 20% 16V  |
| C2                  | 1-135-159-21 | s TANTALUM, CHIP 10uF 10% 20V                                      |
| C3                  | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C4                  | 1-126-391-11 | s ELECT, CHIP 47uF 20% 6.3V  |
| C5                  | 1-128-453-21 | s ELECT 47uF 20% 6.3V  |
| C6                  | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V                                       |
| C7                  | 1-162-917-11 | s CERAMIC, CHIP 15PF 5% 50V  |
| C8                  | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C9                  | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V   |
| C10                 | 1-135-165-11 | s TANTALUM, CHIP 33uF 10% 16V                                      |
| C11                 | 1-162-925-11 | s CERAMIC, CHIP 68PF 5% 50V<br>[for DXC-637;J, DXC-637;UC]         |
| C11                 | 1-162-921-11 | s CERAMIC, CHIP 33PF 5% 50V<br>[for DXC-637P;EK]                   |
| C12                 | 1-135-073-00 | s TANTALUM, CHIP 0.33uF 10% 35V                                    |
| C13                 | 1-162-922-11 | s CERAMIC, CHIP 39PF 5% 50V  |
| C14                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C15                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C16                 | 1-135-210-11 | s TANTALUM 4.7uF 10% 10V   |
| C17                 | 1-162-974-11 | s CERAMIC 0.01uF 50V   |
| C18                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C19                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C20                 | 1-126-395-11 | s ELECT, CHIP 22uF 20% 16V   |
| C21                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C22                 | 1-135-210-11 | s TANTALUM 4.7uF 10% 10V   |
| C23                 | 1-135-166-21 | s TANTALUM, CHIP 47uF 10% 10V                                      |
| C24                 | 1-135-159-21 | s TANTALUM, CHIP 10uF 10% 20V                                      |
| C25                 | 1-162-917-11 | s CERAMIC, CHIP 15PF 5% 50V  |
| C26                 | 1-162-974-11 | s CERAMIC 0.01uF 50V   |
| C27                 | 1-126-393-11 | s ELECT 33uF 20% 10V   |
| C28                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C29                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C30                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V  |
| C31                 | 1-135-091-91 | s TANTALUM 1uF 20% 16V   |
| C32                 | 1-162-974-11 | s CERAMIC 0.01uF 50V   |
| C33                 | 1-162-974-11 | s CERAMIC 0.01uF 50V   |
| C34                 | 1-126-395-11 | s ELECT, CHIP 22uF 20% 16V   |
| C35                 | 1-126-395-11 | s ELECT, CHIP 22uF 20% 16V   |
| C36                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V  |
| C37                 | 1-162-974-11 | s CERAMIC 0.01uF 50V   |
| C38                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C39                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C40                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V  |
| C41                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C46                 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V<br>[for DXC-637P;EK]                   |
| C47                 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V  |
| C48                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C49                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C50                 | 1-104-913-11 | s TANTALUM 10uF 20% 16V  |
| C51                 | 1-162-974-11 | s CERAMIC 0.01uF 50V   |
| C52                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C53                 | 1-104-916-11 | s TANTALUM 6.8uF 20% 20V   |
| C54                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C55                 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V  |

## (SG-232(N)/232(P) BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description   |
|---------------------|--------------|--|
| C56                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C57                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C58                 | 1-104-916-11 | s TANTALUM 6.8uF 20% 20V                                   |
| C59                 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V                                |
| C60                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C61                 | 1-164-363-11 | s CERAMIC 560PF 5% 50V                                     |
| C62                 | 1-104-916-11 | s TANTALUM 6.8uF 20% 20V                                   |
| C63                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C64                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C65                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C66                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C67                 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V<br>[for DXC-637;J, DXC-637;UC] |
| C67                 | 1-162-918-11 | s CERAMIC, CHIP 18PF 5% 50V<br>[for DXC-637P;EK]           |
| C68                 | 1-162-974-11 | s CERAMIC 0.01uF 50V                                       |
| C69                 | 1-126-393-11 | s ELECT 33uF 20% 10V                                       |
| C70                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V                                |
| C71                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C72                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C73                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C74                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V                                |
| C75                 | 1-126-393-11 | s ELECT 33uF 20% 10V                                       |
| C76                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V                                |
| C77                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C78                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C79                 | 1-162-921-11 | s CERAMIC, CHIP 33PF 5% 50V                                |
| C80                 | 1-162-921-11 | s CERAMIC, CHIP 33PF 5% 50V                                |
| C81                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C82                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V                                 |
| C83                 | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V                               |
| C84                 | 1-135-145-11 | s TANTALUM, CHIP 0.47uF 10% 35V                            |
| C85                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V                                 |
| C86                 | 1-162-921-11 | s CERAMIC, CHIP 33PF 5% 50V<br>[for DXC-637;J, DXC-637;UC] |
| C86                 | 1-162-925-11 | s CERAMIC, CHIP 68PF 5% 50V<br>[for DXC-637P;EK]           |
| C87                 | 1-162-925-11 | s CERAMIC, CHIP 68PF 5% 50V                                |
| C88                 | 1-162-921-11 | s CERAMIC, CHIP 33PF 5% 50V                                |
| C89                 | 1-162-921-11 | s CERAMIC, CHIP 33PF 5% 50V                                |
| C90                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C91                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V                                 |
| C92                 | 1-135-145-11 | s TANTALUM, CHIP 0.47uF 10% 35V                            |
| C93                 | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V                               |
| C94                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V                                 |
| C95                 | 1-126-393-11 | s ELECT 33uF 20% 10V                                       |
| C96                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C97                 | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C98                 | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V                                |
| C99                 | 1-126-394-11 | s ELECT, CHIP 10uF 20% 16V<br>[for DXC-637P;EK]            |
| C100                | 1-164-156-11 | s CERAMIC 0.1uF 25V  |
| C101                | 1-126-390-11 | s ELECT, CHIP 22uF 20% 6.3V                                |
| C102                | 1-162-974-11 | s CERAMIC 0.01uF 50V                                       |
| C103                | 1-162-974-11 | s CERAMIC 0.01uF 50V                                       |
| C104                | 1-162-911-11 | s CERAMIC, CHIP 6PF 50V<br>[for DXC-637;J, DXC-637;UC]     |
| C104                | 1-162-915-11 | s CERAMIC, CHIP 10PF 5PF 50V<br>[for DXC-637P;EK]          |
| C105                | 1-164-156-11 | s CERAMIC 0.1uF 25V  |

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (SG-232(N)/232(P) BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description  |
|---------------------|----------------|---|
| C106                | 1-164-156-11 s | CERAMIC 0.1uF 25V                                       |
| C107                | 1-126-393-11 s | ELECT 33uF 20% 10V                                      |
| C108                | 1-162-909-11 s | CERAMIC 4PF 0.25PF 50V                                  |
| C109                | 1-164-156-11 s | CERAMIC 0.1uF 25V                                       |
| C110                | 1-135-180-21 s | TANTALUM, CHIP 3.3uF 20% 6.3V                           |
| C111                | 1-104-913-11 s | TANTALUM 10uF 20% 16V                                   |
| C112                | 1-164-156-11 s | CERAMIC 0.1uF 25V                                       |
| CN1                 | 1-770-581-11 o | CONNECTOR 30P   |
| CP1                 | 1-760-267-11 s | CRYSTAL 14.31831MHz<br>[for DXC-637;J, DXC-637;UC]      |
| CP1                 | 1-760-269-11 s | CRYSTAL 17.734475MHz<br>[for DXC-637P;EK]               |
| D1                  | 8-719-404-35 s | DIODE MA141WK   |
| D2                  | 8-719-404-35 s | DIODE MA141WK   |
| D3                  | 8-719-404-35 s | DIODE MA141WK   |
| D4                  | 8-719-404-35 s | DIODE MA141WK   |
| D5                  | 8-719-800-76 s | DIODE ISS226  |
| FL1                 | 1-402-647-11 s | DELAY LINE (90°) (NTSC)<br>[for DXC-637;J, DXC-637;UC]  |
| FL1                 | 1-402-646-21 s | DELAY LINE (PAL) [for DXC-637P;EK]                      |
| FL2                 | 1-239-379-21 s | FILTER, BANDPASS 3.58MHz<br>[for DXC-637;J, DXC-637;UC] |
| FL2                 | 1-239-380-11 s | FILTER, BANDPASS [for DXC-637P;EK]                      |
| IC1                 | 8-759-101-12 s | IC UPC311G2   |
| IC2                 | 8-759-031-84 s | IC SC7S04F  |
| IC3                 | 8-752-335-47 s | IC CXD1216M   |
| IC4                 | 8-759-234-77 s | IC TC4S66F  |
| IC5                 | 8-759-100-94 s | IC UPC358G2   |
| IC6                 | 8-759-082-61 s | IC TC4W53FU   |
| IC7                 | 8-752-341-58 s | IC CXD1217Q   |
| IC8                 | 8-759-209-15 s | IC TC4SU69F [for DXC-637P;EK]                           |
| IC9                 | 8-759-031-84 s | IC SC7S04F  |
| IC10                | 8-759-082-61 s | IC TC4W53FU   |
| IC11                | 8-759-100-94 s | IC UPC358G2   |
| IC12                | 8-759-902-88 s | IC SN74LS123NS  |
| IC13                | 8-759-082-61 s | IC TC4W53FU   |
| IC14                | 8-759-180-08 s | IC TC74HC4538AFS  |
| IC15                | 8-759-112-66 s | IC UPC812G2   |
| IC16                | 8-759-049-55 s | IC SN74HC00APW-E05                                      |
| IC17                | 8-759-031-84 s | IC SC7S04F  |
| IC18                | 8-759-906-59 s | IC CX22017  |
| IC19                | 8-759-031-84 s | IC SC7S04F  |
| IC20                | 8-759-059-50 s | IC MB88351PFV   |
| IC21                | 8-759-082-61 s | IC TC4W53FU   |
| IC22                | 8-759-234-20 s | IC TC7S08F [for DXC-637P;EK]                            |
| IC23                | 8-759-234-20 s | IC TC7S08F  |
| IC24                | 8-759-031-84 s | IC SC7S04F [for DXC-637P;EK]                            |
| IC25                | 8-759-031-84 s | IC SC7S04F  |
| IC26                | 8-759-234-20 s | IC TC7S08F  |
| IC27                | 8-759-035-93 s | IC TC7S32F  |
| IC28                | 8-759-035-93 s | IC TC7S32F  |
| L1                  | 1-410-385-11 s | INDUCTOR, CHIP 22uH                                     |
| L2                  | 1-410-385-11 s | INDUCTOR, CHIP 22uH                                     |
| L3                  | 1-410-387-11 s | INDUCTOR CHIP 33uH                                      |
| L4                  | 1-410-389-31 s | INDUCTOR CHIP 47uH                                      |
| L5                  | 1-410-389-31 s | INDUCTOR CHIP 47uH                                      |
| L6                  | 1-410-656-11 s | INDUCTOR CHIP 150uH<br>[for DXC-637;J, DXC-637;UC]      |

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (SG-232(N)/232(P) BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description                                   |
|---------------------|----------------|--|
| L6                  | 1-410-393-11 s | INDUCTOR CHIP 100uH<br>[for DXC-637P;EK]         |
| L7                  | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L8                  | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L9                  | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L10                 | 1-410-385-11 s | INDUCTOR, CHIP 22uH                              |
| L11                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L12                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L13                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L14                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L15                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L16                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L17                 | 1-412-280-31 s | INDUCTOR 330uH                                   |
| L18                 | 1-412-280-31 s | INDUCTOR 330uH                                   |
| L19                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L20                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L21                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| L22                 | 1-410-389-31 s | INDUCTOR CHIP 47uH                               |
| Q1                  | 8-729-402-84 s | TRANSISTOR XN4601                                |
| Q2                  | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q3                  | 8-729-905-24 s | TRANSISTOR 2SA1576S                              |
| Q4                  | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q5                  | 8-729-403-29 s | TRANSISTOR XN6435                                |
| Q6                  | 8-729-402-84 s | TRANSISTOR XN4601<br>[for DXC-637;J, DXC-637;UC] |
| Q7                  | 8-729-141-53 s | TRANSISTOR 2SK94-X2X3X4                          |
| Q8                  | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q9                  | 8-729-403-29 s | TRANSISTOR XN6435                                |
| Q10                 | 8-729-905-24 s | TRANSISTOR 2SA1576S                              |
| Q11                 | 8-729-402-84 s | TRANSISTOR XN4601<br>[for DXC-637;J, DXC-637;UC] |
| Q12                 | 8-729-402-84 s | TRANSISTOR XN4601                                |
| Q13                 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33                           |
| Q14                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q15                 | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q16                 | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q17                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q18                 | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q19                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q20                 | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q21                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q22                 | 8-729-402-78 s | TRANSISTOR XN6401                                |
| Q23                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q24                 | 8-729-905-24 s | TRANSISTOR 2SA1576S                              |
| Q25                 | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q26                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q27                 | 8-729-402-78 s | TRANSISTOR XN6401                                |
| Q28                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q29                 | 8-729-905-24 s | TRANSISTOR 2SA1576S                              |
| Q30                 | 8-729-905-24 s | TRANSISTOR 2SA1576S                              |
| Q31                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q32                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| Q33                 | 8-729-402-19 s | TRANSISTOR XN6501                                |
| Q34                 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6                          |
| R8                  | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W                           |
| R10                 | 1-218-840-11 s | METAL 510 0.50% 1/16W                            |
| R14                 | 1-218-848-11 s | METAL 1.1K 0.50% 1/16W                           |
| R18                 | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W                           |
| R20                 | 1-211-977-11 s | METAL 22 0.50% 1/16W                             |

(SG-232(N)/232(P) BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description  |
|---------------------|----------------|---|
| R24                 | 1-218-866-11 s | METAL 6.2K 0.50% 1/16W                                |
| R25                 | 1-218-901-11 s | METAL 180K 0.50% 1/16W                                |
| R27                 | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W                                |
| R29                 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W                               |
| R36                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W                                |
| R42                 | 1-218-901-11 s | METAL 180K 0.50% 1/16W                                |
| R43                 | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W                                |
| R44                 | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| R49                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| R50                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W                                |
| R51                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637P;EK]           |
| R57                 | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W                                |
| R58                 | 1-218-883-11 s | METAL 33K 0.50% 1/16W                                 |
| R60                 | 1-218-883-11 s | METAL 33K 0.50% 1/16W<br>[for DXC-637;J, DXC-637;UC]  |
| R63                 | 1-218-837-11 s | METAL 390 0.50% 1/16W<br>[for DXC-637;J, DXC-637;UC]  |
| R64                 | 1-218-837-11 s | METAL 390 0.50% 1/16W<br>[for DXC-637;J, DXC-637;UC]  |
| R65                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637P;EK]           |
| R70                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637P;EK]           |
| R72                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| R73                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637P;EK]           |
| R74                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W                                |
| R75                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| R76                 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W                               |
| R77                 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W                               |
| R78                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637P;EK]           |
| R79                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W                                |
| R80                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W                                |
| R81                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W                                |
| R82                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W                                |
| R91                 | 1-218-881-11 s | METAL 27K 0.50% 1/16W                                 |
| R96                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| R98                 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637P;EK]           |
| R100                | 1-218-883-11 s | METAL 33K 0.50% 1/16W                                 |
| R103                | 1-218-883-11 s | METAL 33K 0.50% 1/16W                                 |
| R114                | 1-218-868-11 s | METAL 7.5K 0.50% 1/16W                                |
| R126                | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W                                |
| R127                | 1-218-837-11 s | METAL 390 0.50% 1/16W                                 |
| R133                | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W                                |
| R138                | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W                                |
| R139                | 1-218-837-11 s | METAL 390 0.50% 1/16W                                 |
| R142                | 1-218-889-11 s | METAL 56K 0.50% 1/16W                                 |
| R145                | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W                                |
| R148                | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W                                |
| R157                | 1-218-889-11 s | METAL 56K 0.50% 1/16W<br>[for DXC-637P;EK]            |
| R164                | 1-218-883-11 s | METAL 33K 0.50% 1/16W                                 |
| R168                | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W<br>[for DXC-637P;EK]           |

(SG-232(N)/232(P) BOARD)

| Ref. No.<br>or Q'ty | Part No.       | SP Description                                       |
|---------------------|----------------|--|
| R171                | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W<br>[for DXC-637P;EK]          |
| R177                | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W                               |
| R189                | 1-218-867-11 s | METAL 6.8K 0.50% 1/16W<br>[for DXC-637P;EK]          |
| R191                | 1-218-845-11 s | METAL 820 0.50% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| R191                | 1-218-844-11 s | METAL 750 0.50% 1/16W<br>[for DXC-637P;EK]           |

|      |                |   |
|------|----------------|---|
| R193 | 1-218-883-11 s | METAL 33K 0.50% 1/16W                                 |
| R204 | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W                                |
| R207 | 1-211-977-11 s | METAL 22 0.50% 1/16W                                  |
| R211 | 1-218-851-11 s | METAL 1.5K 0.50% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| R226 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W<br>[for DXC-637;J, DXC-637;UC] |
| RV1  | 1-241-262-11 s | RES, ADJ, METALT 2K                                   |
| RV2  | 1-241-265-11 s | RES, ADJ, METALT 20K                                  |
| RV3  | 1-238-852-11 s | RES, ADJ METAL 470                                    |
| RV4  | 1-238-852-11 s | RES, ADJ METAL 470                                    |
| RV5  | 1-241-263-11 s | RES, ADJ, METALT 5K                                   |
| RV6  | 1-238-854-11 s | RES, ADJ, METAL 2.2K                                  |
| RV7  | 1-238-855-11 s | RES, ADJ, METAL 4.7K                                  |
| RV8  | 1-238-852-11 s | RES, ADJ METAL 470                                    |
| RV9  | 1-241-263-11 s | RES, ADJ, METALT 5K                                   |
| RV10 | 1-238-853-11 s | RES, ADJ, METAL 1K                                    |

## SW-724 BOARD

Ref. No.  
or Q'ty Part No. SP Description

1pc A-8310-953-A o MOUNTED CIRCUIT BOARD, SW-724  
 1pc 3-686-186-01 s KNOB, MODE-SW  
 1pc 3-717-900-01 s KNOB (A) (TC), SW  
 1pc 3-349-533-11 o HOLDER (B), LED  
 2pcs 3-674-372-00 o HOLDER (A), LED  
 C1 1-104-914-11 s TANTALUM 22uF 20% 16V  
 C2 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V  
 C3 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V  
 C4 1-104-852-11 s TANTALUM 22uF 20% 10V  
 C5 1-104-557-11 s FILM 0.033uF 5% 16V  
 C6 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V  
 C7 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V  
 C8 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V  
 C9 1-104-916-11 s TANTALUM 6.8uF 20% 20V  
 C10 1-104-914-11 s TANTALUM 22uF 20% 16V  
 C11 1-126-390-11 s ELECT, CHIP 22uF 20% 6.3V  
 C12 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V  
 C13 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V  
 C14 1-126-390-11 s ELECT, CHIP 22uF 20% 6.3V  
 C15 1-163-038-91 s CERAMIC 0.1uF 25V  
 C16 1-163-038-91 s CERAMIC 0.1uF 25V  
 C17 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V  
 C18 1-163-038-91 s CERAMIC 0.1uF 25V  
 C19 1-163-038-91 s CERAMIC 0.1uF 25V  
 C20 1-163-038-91 s CERAMIC 0.1uF 25V  
 C21 1-104-916-11 s TANTALUM 6.8uF 20% 20V  
 C22 1-104-916-11 s TANTALUM 6.8uF 20% 20V  
 C23 1-135-164-21 s TANTALUM, CHIP 22uF 20% 10V  
 C24 1-104-914-11 s TANTALUM 22uF 20% 16V  
 C25 1-135-214-21 s TANTAL 4.7uF 20% 20V  
 C26 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V  
 C27 1-135-214-21 s TANTAL 4.7uF 20% 20V  
 C28 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V  
 C29 1-163-038-91 s CERAMIC 0.1uF 25V  
 C30 1-135-214-21 s TANTAL 4.7uF 20% 20V  
 C31 1-135-214-21 s TANTAL 4.7uF 20% 20V  
 C32 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V  
 C34 1-126-397-11 s ELECT, CHIP 33uF 20% 25V  
 C35 1-126-397-11 s ELECT, CHIP 33uF 20% 25V  
 C36 1-126-397-11 s ELECT, CHIP 33uF 20% 25V  
 C37 1-126-395-11 s ELECT, CHIP 22uF 20% 16V  
 C38 1-163-038-91 s CERAMIC 0.1uF 25V  
 C39 1-126-390-11 s ELECT, CHIP 22uF 20% 6.3V  
 C40 1-104-913-11 s TANTALUM 10uF 20% 16V  
 C41 1-126-390-11 s ELECT, CHIP 22uF 20% 6.3V  
 CN1 1-766-792-11 o CONNECTOR 12P  
 CN2 1-766-792-11 o CONNECTOR 12P  
 D1 8-719-053-49 s DIODE TL0143  
 D2 8-719-053-49 s DIODE TL0143  
 D3 8-719-053-49 s DIODE TL0143  
 D4 8-719-017-42 s DIODE HSM88WA  
 D5 8-719-017-42 s DIODE HSM88WA  
 D6 8-719-017-42 s DIODE HSM88WA  
 D7 8-719-404-35 s DIODE MA141WK  
 D8 8-719-157-33 s DIODE RD6.2M-B  
 D11 8-719-404-35 s DIODE MA141WK  
 D12 8-719-404-35 s DIODE MA141WK  
 D13 8-719-404-35 s DIODE MA141WK

## (SW-724 BOARD)

Ref. No.  
or Q'ty Part No. SP Description

IC1 8-759-635-27 s IC M6235GP  
 IC2 8-759-009-05 s IC MC14051BF  
 IC3 8-759-173-16 s IC TL062CPW  
 IC4 8-759-082-61 s IC TC4W53FU  
 IC5 8-759-076-06 s IC TL064CPW  
 IC6 8-759-009-05 s IC MC14051BF  
 IC7 8-759-076-06 s IC TL064CPW  
 IC8 8-759-082-61 s IC TC4W53FU  
 IC9 8-759-700-07 s IC NJM2903M  
 IC10 8-759-076-06 s IC TL064CPW  
 IC11 8-759-009-06 s IC MC14052BF  
 IC12 8-759-700-07 s IC NJM2903M  
 IC13 8-759-082-61 s IC TC4W53FU  
 IC14 8-759-082-61 s IC TC4W53FU  
 IC15 8-759-082-61 s IC TC4W53FU  
 L1 1-410-389-31 s INDUCTOR CHIP 47uH  
 L2 1-410-389-31 s INDUCTOR CHIP 47uH  
 L3 1-410-387-11 s INDUCTOR CHIP 33uH  
 L4 1-412-282-41 s INDUCTOR 470uH  
 L5 1-412-282-41 s INDUCTOR 470uH  
 Q1 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q2 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q3 8-729-120-28 s TRANSISTOR 2SC1623-L5L6  
 Q4 8-729-109-44 s TRANSISTOR 2SK94  
 Q5 8-729-402-78 s TRANSISTOR XN6401  
 Q6 8-729-402-19 s TRANSISTOR XN6501  
 Q7 8-729-109-44 s TRANSISTOR 2SK94  
 Q8 8-729-109-44 s TRANSISTOR 2SK94  
 Q11 8-729-109-44 s TRANSISTOR 2SK94  
 Q12 8-729-800-37 s TRANSISTOR 2SD1048-X7  
 Q13 8-729-807-87 s TRANSISTOR 2SB1295-UL6  
 R1 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  
 R2 1-216-089-00 s METAL, CHIP 47K 5% 1/10W  
 R3 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R4 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  
 R5 1-216-089-00 s METAL, CHIP 47K 5% 1/10W  
 R6 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R7 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  
 R8 1-216-089-00 s METAL, CHIP 47K 5% 1/10W  
 R9 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R10 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  
 R11 1-216-089-00 s METAL, CHIP 47K 5% 1/10W  
 R12 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R13 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  
 R14 1-216-089-00 s METAL, CHIP 47K 5% 1/10W  
 R15 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R16 1-216-089-00 s METAL, CHIP 47K 5% 1/10W  
 R17 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R18 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  
 R19 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R20 1-216-075-00 s METAL, CHIP 12K 5% 1/10W  
 R21 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  
 R22 1-216-097-00 s METAL, CHIP 100K 5% 1/10W  
 R23 1-216-121-00 s METAL, CHIP 1M 5% 1/10W  
 R24 1-216-097-00 s METAL, CHIP 100K 5% 1/10W  
 R25 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  
 R26 1-216-121-00 s METAL, CHIP 1M 5% 1/10W

Please see page D-13 for the part numbers of  
resistor that is not the parts list.

## (SW-724 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description                |
|---------------------|--------------|-------------------------------|
| R27                 | 1-216-095-00 | s METAL, CHIP 82K 5% 1/10W    |
| R28                 | 1-216-079-00 | s METAL, CHIP 18K 5% 1/10W    |
| R29                 | 1-216-079-00 | s METAL, CHIP 18K 5% 1/10W    |
| R30                 | 1-216-069-00 | s METAL, CHIP 6.8K 5% 1/10W   |
| R31                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R32                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R33                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R34                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R35                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R36                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R37                 | 1-216-049-91 | s METAL 1K 5% 1/10W           |
| R38                 | 1-216-049-91 | s METAL 1K 5% 1/10W           |
| R39                 | 1-216-049-91 | s METAL 1K 5% 1/10W           |
| R40                 | 1-216-025-91 | s METAL 100 5% 1/10W          |
| R41                 | 1-216-083-00 | s METAL, CHIP 27K 5% 1/10W    |
| R42                 | 1-216-689-11 | s METAL, CHIP 39K 0.5% 1/10W  |
| R43                 | 1-216-073-00 | s METAL, CHIP 10K 5% 1/10W    |
| R44                 | 1-216-085-00 | s METAL, CHIP 33K 5% 1/10W    |
| R45                 | 1-216-085-00 | s METAL, CHIP 33K 5% 1/10W    |
| R46                 | 1-216-085-00 | s METAL, CHIP 33K 5% 1/10W    |
| R47                 | 1-216-069-00 | s METAL, CHIP 6.8K 5% 1/10W   |
| R48                 | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W    |
| R49                 | 1-216-085-00 | s METAL, CHIP 33K 5% 1/10W    |
| R50                 | 1-216-083-00 | s METAL, CHIP 27K 5% 1/10W    |
| R51                 | 1-216-079-00 | s METAL, CHIP 18K 5% 1/10W    |
| R52                 | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W    |
| R53                 | 1-216-081-00 | s METAL, CHIP 22K 5% 1/10W    |
| R54                 | 1-216-081-00 | s METAL, CHIP 22K 5% 1/10W    |
| R55                 | 1-216-085-00 | s METAL, CHIP 33K 5% 1/10W    |
| R56                 | 1-216-081-00 | s METAL, CHIP 22K 5% 1/10W    |
| R57                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R58                 | 1-216-073-00 | s METAL, CHIP 10K 5% 1/10W    |
| R59                 | 1-216-073-00 | s METAL, CHIP 10K 5% 1/10W    |
| R60                 | 1-208-800-11 | s METAL 5.6K 0.50% 1/10W      |
| R61                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R62                 | 1-216-677-11 | s METAL, CHIP 12K 0.5% 1/10W  |
| R64                 | 1-216-073-00 | s METAL, CHIP 10K 5% 1/10W    |
| R65                 | 1-216-069-00 | s METAL, CHIP 6.8K 5% 1/10W   |
| R66                 | 1-216-105-91 | s METAL 220K 5% 1/10W         |
| R67                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R68                 | 1-216-025-91 | s METAL 100 5% 1/10W          |
| R69                 | 1-216-049-91 | s METAL 1K 5% 1/10W           |
| R70                 | 1-208-810-11 | s METAL 15K 0.50% 1/10W       |
| R71                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W       |
| R72                 | 1-216-025-91 | s METAL 100 5% 1/10W          |
| R73                 | 1-216-699-11 | s METAL, CHIP 100K 0.5% 1/10W |
| R74                 | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R75                 | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R76                 | 1-216-081-00 | s METAL, CHIP 22K 5% 1/10W    |
| R77                 | 1-208-817-11 | s METAL 30K 0.50% 1/10W       |
| R78                 | 1-208-806-11 | s METAL 10K 0.50% 1/10W       |
| R79                 | 1-208-814-11 | s METAL 22K 0.50% 1/10W       |
| R80                 | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R81                 | 1-216-073-00 | s METAL, CHIP 10K 5% 1/10W    |
| R82                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R83                 | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W    |
| R84                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R85                 | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W    |
| R86                 | 1-216-085-00 | s METAL, CHIP 33K 5% 1/10W    |

## (SW-724 BOARD)

| Ref. No.<br>or Q'ty | Part No.     | SP Description                |
|---------------------|--------------|-------------------------------|
| R87                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R88                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R89                 | 1-216-077-00 | s METAL, CHIP 15K 5% 1/10W    |
| R90                 | 1-216-067-00 | s METAL, CHIP 5.6K 5% 1/10W   |
| R91                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R92                 | 1-216-049-91 | s METAL 1K 5% 1/10W           |
| R93                 | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R94                 | 1-216-659-11 | s METAL, CHIP 2.2K 0.5% 1/10W |
| R95                 | 1-216-659-11 | s METAL, CHIP 2.2K 0.5% 1/10W |
| R96                 | 1-216-081-00 | s METAL, CHIP 22K 5% 1/10W    |
| R98                 | 1-216-121-00 | s METAL, CHIP 1M 5% 1/10W     |
| R99                 | 1-208-810-11 | s METAL 15K 0.50% 1/10W       |
| R100                | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R101                | 1-216-671-11 | s METAL, CHIP 6.8K 0.5% 1/10W |
| R102                | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R103                | 1-216-071-00 | s METAL, CHIP 8.2K 5% 1/10W   |
| R104                | 1-216-073-00 | s METAL, CHIP 10K 5% 1/10W    |
| R105                | 1-216-081-00 | s METAL, CHIP 22K 5% 1/10W    |
| R106                | 1-216-081-00 | s METAL, CHIP 22K 5% 1/10W    |
| R107                | 1-216-045-00 | s METAL, CHIP 680 5% 1/10W    |
| R108                | 1-216-075-00 | s METAL, CHIP 12K 5% 1/10W    |
| R109                | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R110                | 1-216-089-00 | s METAL, CHIP 47K 5% 1/10W    |
| R111                | 1-216-065-00 | s METAL, CHIP 4.7K 5% 1/10W   |
| R112                | 1-216-121-00 | s METAL, CHIP 1M 5% 1/10W     |
| R119                | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R121                | 1-216-073-00 | s METAL, CHIP 10K 5% 1/10W    |
| R122                | 1-216-021-00 | s METAL, CHIP 68 5% 1/10W     |
| R123                | 1-216-021-00 | s METAL, CHIP 68 5% 1/10W     |
| R124                | 1-216-021-00 | s METAL, CHIP 68 5% 1/10W     |
| R125                | 1-216-021-00 | s METAL, CHIP 68 5% 1/10W     |
| R126                | 1-208-810-11 | s METAL 15K 0.50% 1/10W       |
| R127                | 1-216-661-11 | s METAL, CHIP 2.7K 0.5% 1/10W |
| R128                | 1-208-822-11 | s METAL 47K 0.50% 1/10W       |
| R129                | 1-216-699-11 | s METAL, CHIP 100K 0.5% 1/10W |
| R130                | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R131                | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| R132                | 1-216-097-00 | s METAL, CHIP 100K 5% 1/10W   |
| RV1                 | 1-238-856-11 | s RES, ADJ, METAL 10K         |
| RV2                 | 1-238-855-11 | s RES, ADJ, METAL 4.7K        |
| RV3                 | 1-238-857-11 | s RES, ADJ METAL 22K          |
| RV4                 | 1-238-854-11 | s RES, ADJ, METAL 2.2K        |
| S1                  | 1-570-851-11 | s SWITCH, SLIDE               |
| S2                  | 1-554-303-21 | s SWITCH, TACTILE             |
| S3                  | 1-570-854-11 | s SWITCH, SLIDE               |
| S4                  | 1-571-404-11 | s SWITCH, KEY BOARD           |
| S5                  | 1-570-859-11 | s SWITCH, SLIDE               |
| S6                  | 1-570-859-11 | s SWITCH, SLIDE               |
| S7                  | 1-553-875-00 | s SWITCH, RUBBER              |
| S8                  | 1-570-859-11 | s SWITCH, SLIDE               |
| S9                  | 1-553-875-00 | s SWITCH, RUBBER              |
| S10                 | 1-553-875-00 | s SWITCH, RUBBER              |
| S11                 | 1-570-851-11 | s SWITCH, SLIDE               |
| S12                 | 1-570-282-21 | s SWITCH, KEY BOARD           |
| S13                 | 1-570-865-11 | s SWITCH, SLIDE               |
| S14                 | 1-553-977-00 | s SWITCH, SLIDE               |
| S15                 | 1-570-859-11 | s SWITCH, SLIDE               |
| S16                 | 1-553-977-00 | s SWITCH, SLIDE               |

(SW-724 BOARD)

Ref. No.  
or Q'ty Part No. SP Description

S18 1-570-282-21 s SWITCH, KEY BOARD

SW-728 BOARD

Ref. No.  
or Q'ty Part No. SP Description

1pc A-8310-947-A o MOUNTED CIRCUIT BOARD, SW-728

R1 1-215-461-00 s METAL 47K 1% 1/6W

R2 1-215-425-00 s METAL 1.5K 1% 1/6W

R3 1-215-457-00 s METAL 33K 1% 1/6W

R4 1-215-441-00 s METAL 6.8K 1% 1/6W

R5 1-215-453-00 s METAL 22K 1% 1/6W

R6 1-215-461-00 s METAL 47K 1% 1/6W

R7 1-215-373-31 s METAL 10 1% 1/6W

R8 1-215-425-00 s METAL 1.5K 1% 1/6W

S1 1-570-985-11 s SWITCH, TOGGLE

S2 1-570-985-11 s SWITCH, TOGGLE

S3 1-570-985-11 s SWITCH, TOGGLE

S4 1-571-396-11 s SWITCH, TOGGLE

W1 1-954-552-11 o HARNESS, SUB (SW-1)

FRAME

Ref. No.  
or Q'ty Part No. SP Description

1pc 1-547-259-11 o FILTER UNIT, OPTICAL  
1pc 1-954-548-11 o HARNESS, SUB (FL) (SE-MB)  
1pc 1-473-244-11 s CONVERTER UNIT, DC-DC  
1pc 1-769-710-11 o CABLE, FLAT (1 MM)  
1pc 1-954-549-12 o HARNESS, SUB (LENS)  
1pc 1-954-550-13 o HARNESS, SUB (CNP)

CN100 1-563-947-11 s CONNECTOR 12P FEMALE "LENS"  
CN101 1-562-782-21 s CONNECTOR 10P FEMALE "REMOTE"  
CN102 1-507-858-31 o JACK, PIN 1P "MONITOR OUT"  
CN103 1-561-781-11 s CONNECTOR, BNC "VIDEO OUT"

CN4F(to MB-597(N)/MB-597(P) board)  
1-569-201-21 o HOUSING, 8P

1-569-193-11 o CONTACT, AWG24-30

CN11F(to MB-597(N)/MB-597(P) board)  
1-569-205-11 o PLUG HOUSING, 12P

1-569-193-11 o CONTACT, AWG24-30

CN20F(to MB-597(N)/MB-597(P) board)  
1-569-195-21 o HOUSING, 2P

1-569-191-11 o CONTACT, AWG22-26

1-569-193-11 o CONTACT, AWG24-30

FB101 1-500-169-11 o CORE (FPC)

FB102 1-543-786-11 s CLAMP, SLEEVE FERRITE

Please see page D-13 for the part numbers of  
resistor that is not the parts list.

## EXPLODED VIEW (VCL-916BYA)

VCL-916BYA

| No. | Part No.     | SP Description |
|-----|--------------|----------------|
| 1   | 3-707-245-01 | o CAP, HOOD    |
| 2   | 3-707-246-01 | o CAP, DUST    |
| 3   | 3-707-247-01 | o LEVER, ZOOM  |
| 4   | 3-708-171-01 | o HOOD, LENS   |

